REGISTERS

HALL & CARPENTER,

PHILADELPHIA, PA.

1898

Owing to the MANY CHANGES in List Prices in our **1898** CATALOGUE, we request that you DESTROY all other Lists.

TUTTLE & BAILEY MANUFACTURING CO.

$ 125

Catalogue and Price List.

Tuttle & Bailey Manufacturing Co.

Warm Air Registers, Ventilators, Screens, Borders, Fine Brass and Bronze Metal Castings, Etc.

83 Beekman Street, New York.

52 and 54 Lake Street, Chicago.

64 and 66 Union Street, Boston.

Press of E. D. SLATER 153-155 Fulton St. N. Y.

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TO OUR CUSTOMERS.

As questions constantly arise as to the responsibility of shipper, for loss of and damage to goods, &c., in transit, we beg to call the special attention of our customers to the following:

Our responsibility ceases as soon as goods are delivered in good order and condition at shipping point, and a receipt taken for the same—we, as senders, having no legal claim after the goods are delivered to the carriers properly consigned, as the ownership has passed from us to the consignee.

No goods returned, will be received by us unless we have been corresponded with, and have given our permission that same can be returned, and party returning, must in all cases pay freight and expenses.

Packages charged at cost. No charge for cartage except on goods returned.

Orders promptly and carefully filled.

Respectfully yours,

TUTTLE & BAILEY MANUFACTURING CO.

LIST OF DESIGNS OF REGISTERS, WITH SIZES.

(PATENTED.)

PRICES SAME ON ALL DESIGNS, EXCEPT RENAISSANCE AND EMPIRE.

THE PERSIAN DESIGN IN ALL SIZES.

BRILLIANT DESIGN. PAGE 17.

6× 8	8×12	9×14	10×16	12×18	14×22	18×21
6× 9	8×13	9×15	10×18	12×19	15×25	18×24
6×10	8×14	9×16	10×20	12×20	16×16	20×20
6×14	8×15	9×17	12×12	12×24	16×18	20×24
6×16	8×18	9×18	12×14	14×14	16×20	20×26
7×10	9× 9	10×10	12×15	14×16	16×22	21×29
8× 8	9×12	10×12	12×16	14×18	16×24	24×24
8×10	9×13	10×14	12×17	14×20	18×18	27×38

FLORENTINE DESIGN. PAGE 17.

6× 8	8× 8	9×12	10×16	12×16	14×16	16×24
6× 9	8×10	9×13	10×18	12×17	14×18	18×18
6×10	8×12	9×14	10×20	12×18	14×20	18×21
6×14	8×15	9×24	12×12	12×19	14×22	20×24
6×18	8×18	10×10	12×14	12×20	15×25	20×26
6×24	9× 9	10×12	12×15	12×24	16×16	27×27
7×10		10×14		14×14	16×20	27×38

FOR SIDE WALL ONLY. 18×24 20×20 21×29 24×24 24×32

PLAIN LATTICE DESIGN. PAGE 11.

4× 6	6×18	8×15	9×20	12×15	16×18	21×21
4× 8	6×20	8×16	9×22	12×16	16×20	21×25
4×10	6×22	8×18	9×24	12×17	16×22	21×29
4×13	6×24	8×21	9×25	12×18	16×24	21×33
4×15	6×28	8×24	9×28	12×19	16×28	21×37
4×18	6×32	8×27	10×10	12×20	16×32	24×24
5×10	7× 7	8×30	10×12	12×24	18×18	24×27
5×16	7×10	9× 9	10×14	12×30	18×21	24×30
6× 6	7×12	9×12	10×16	12×36	18×24	24×32
6× 8	7×14	9×13	10×18	14×14	18×27	24×36
6× 9	8× 8	9×14	10×20	14×16	18×30	24×45
6×10	8×10	9×15	10×24	14×18	18×36	27×27
6×12	8×12	9×16	11×17	14×20	20×20	27×38
6×14	8×13	9×17	12×12	14×22	20×22	30×30
6×16	8×14	9×18	12×14	15×25	20×24	30×36
				16×16	20×26	30×42

INDIAN LATTICE DESIGN. PAGE 3.

4×18	7× 7	8×24	10×16	12×20	16×18	20×20
4×24	7×10	9× 9	10×18	12×24	16×20	20×24
6× 6	7×12	9×12	10×20	12×30	16×22	20×26
6× 8	7×14	9×13	12×12	12×36	16×24	21×29
6× 9	8× 8	9×14	12×14	14×14	16×28	24×24
6×10	8×10	9×16	12×15	14×16	16×32	24×27
6×12	8×12	9×18	12×16	14×18	18×18	24×30
6×14	8×14	9×28	12×17	14×20	18×21	24×32
6×16	8×15	10×10	12×18	14×22	18×24	24×36
6×18	8×18	10×12	12×19	15×25	18×27	27×27
6×24	8×21	10×14		16×16	18×30	30×36

FOR SIDE WALL ONLY. 27×27 27×38 30×30

JAPANESE DESIGN. PAGE 3.

4×18	6×12	7× 7	8×10	9×12	10×14	12×15
6× 6	6×14	7×10	8×12	9×13	10×16	12×17
6× 8	6×16	7×12	8×15	9×14	10×18	12×18
6× 9	6×18	7×14	8×18	10×10	12×12	12×19
6×10	6×24	8× 8	9× 9	10×12	12×14	12×20

[OVER]

LIST OF DESIGNS OF REGISTERS, WITH SIZES—Continued.

(PATENTED.)

EMPIRE DESIGN. PAGE 13.

FOR SIDE WALL ONLY UNLESS STRENGTHENING BARS ARE USED.

9×12	10×14	10×20	12×15	12×18	14×16	14×22	16×22
9×20	10×16	12×12	12×16	12×19	14×18	16×18	16×24
10×12	10×18	12×14	12×17	14×14	14×20	16×20	

RENAISSANCE DESIGN. PAGE 15.

FOR SIDE WALL ONLY.

4× 8	8×10	9×13	10×10	12×12	12×17	14×20	20×20	27×28
4×10	8×12	9×14	10×12	12×14	12×18	16×20	20×24	
6× 8	8×16	9×15	10×14	12×15	12×20	16×24	20×26	
6×12	9×12	9×16	10×16	12×16	14×14	16×32	21×29	

MORESQUE DESIGN. PAGE 24.

6× 8	6×24	8×24	10×10	10×16	12×12	12×17
6×10	8×10	9×12	10×12	10×20	12×14	12×19
6×18	8×12	9×14	10×14	10×24	12×15	

BRILLIANT DESIGN. PAGE 23.

SELF-INDICATING. FOR SIDE WALL.

6× 8	7× 7	8× 8	8×12	9×14	10×12	10×16	12×15	12×19
6×10	7×10	8×10	9×12	10×10	10×14	12×12	12×17	14×22

FLAMBOYANT DESIGN. PAGE 23.

SELF-INDICATING. FOR SIDE WALL.

8× 8	8×12	9×12	10×10	10×14	12×15
8×10	8×15	9×14	10×12	10×16	12×17

also 11×16 Circular Top.

FLAMBOYANT DESIGN, CONVEX. PAGE 19.

8× 8	8×15	9×14	10×14	12×14	12×17
8×10	9× 9	10×10	10×16	12×15	12×18
8×12	9×12	10×12	12×12	12×16	12×19

LATTICE DESIGN, CONVEX. PAGE 18.

6× 8	8× 8	8×15	9×14	10×14	12×14	12×17
6×10	8×10	9× 9	10×10	10×16	12×15	12×18
6×12	8×12	9×12	10×12	12×12	12×16	12×19
						14×22

SELF-INDICATING DESIGN, CONVEX. PAGE 19.

6× 8	8×10	9×12	10×12	10×16	12×19
6×10	8×12	9×14	10×14	12×15	14×22

FLORENTINE DESIGN, CIRCULAR TOP. PAGE 32.

8×12	9×12	10×14	11×13	12×18

CROWN DESIGN, CIRCULAR TOP. PAGE 31.

9×12 10×14

DAISY DESIGN, CIRCULAR TOP. PAGE 31.

8×12 9×12 10×14

CROWN DESIGN, CIRCULAR TOP CONVEX. PAGE 31.

8×12 9×12 10×14

INDIAN LATTICE DESIGN, ROUND. PAGE 21.

6 in. 7 in. 8 in. 9 in. 10 in. 12 in. 20 in. 30 in. 36 in.

DAISY DESIGN, ROUND. PAGE 21.

6 in. 7 in. 8 in. 9 in. 10 in. 12 in.

The ***WHITE PORCELAIN*** finish can be furnished in the following designs only; ***PERSIAN, INDIAN LATTICE, JAPANESE, MORESQUE, PLAIN LATTICE AND LATTICE CONVEX.***

GLIDE MOVEMENT REGISTERS.

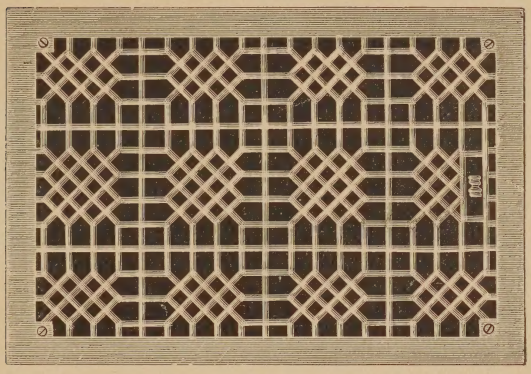
TUTTLE'S PATENTS.

DESIGNS—JAPANESE, PERSIAN AND INDIAN LATTICE.

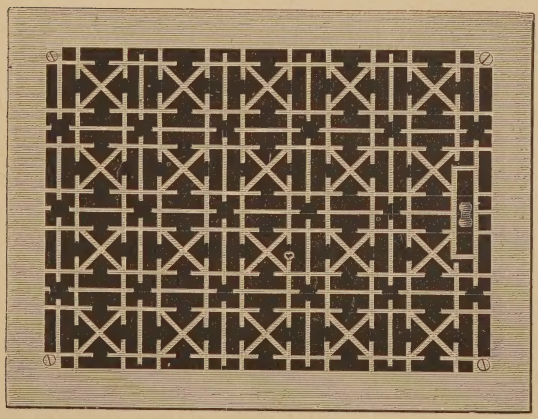
An advantage peculiar to the GLIDE MOVEMENT Register is, that by unscrewing the face the VALVES can be REMOVED and REPLACED EASILY, and the flue reached, without taking the Register box from the wall.

PRICES SAME AS VERTICAL WHEEL.

INDIAN LATTICE DESIGN.



JAPANESE DESIGN.



FOR LIST OF SIZES IN THESE DESIGNS, SEE PAGES 1 AND 2.

JAPANNED—BLACK OR WHITE.

REGISTERS AND VENTILATORS.

FOR EITHER FLOOR OR WALL.

IRON BORDERS AND WALL FRAMES.

TUTTLE'S PATENTS.

Wall Frame.		Register Without Valves.	SIZE OF OPENING	Register.	Register Face.	Floor Border.	Ventilator for Cords.
4 in. deep.	2 in. deep.						
------	0.25	0.55	4½ × 6½	0.65	0.20	----------	0.90
------	0.30	0.60	4 × 8	0.70	0.25	0.60	0.95
------	0.35	0.75	4 × 10	0.85	0.30	0.60	1.10
------	0.45	0.95	4 × 13	1.10	0.35	0.65	1.35
------	0.55	1.05	4 × 15	1.25	0.40	0.70	1.50
------	0.65	1.25	4 × 18	1.45	0.55	0.70	1.70
------	----------	2.40	4 × 21	2.75	0.85	----------	3.00
------	----------	2.80	4 × 24	3.25	1.00	----------	3.50
0.80	0.50	0.65	5 × 8	0.85	0.30	0.60	1.10
0.85	0.55	0.80	5 × 9	0.95	0.35	0.60	1.20
0.35	0.55	0.85	5 × 10	1.00	0.40	0.65	1.25
0.90	0.60	0.90	5 × 11	1.05	0.45	0.65	1.30
0.95	0.65	0.95	5 × 12	1.10	0.50	0.65	1.35
1.00	0.70	1.00	5 × 13	1.20	0.50	0.70	1.45
1.00	0.70	1.10	5 × 14	1.30	0.55	0.75	1.55
1.10	0.75	1.20	5 × 15	1.40	0.60	0.80	1.65
1.10	0.75	1.40	5 × 16	1.60	0.65	0.90	1.85
1.15	0.80	1.50	5 × 17	1.75	0.70	0.95	2.00
1.15	0.85	1.65	5 × 18	1.90	0.75	1.00	2.15
0.75	0.45	0.65	6 × 6	0.80	0.30	*0.60	1.05
0.80	0.50	0.80	6 × 8	0.90	0.35	*0.60	1.15
0.85	0.55	0.85	6 × 9	0.95	0.40	*0.65	1.20
0.85	0.55	0.85	6 × 10	1.00	0.45	*0.65	1.25
0.95	0.65	1.00	6 × 12	1.15	0.50	0.70	1.40
1.00	0.70	1.25	6 × 14	1.40	0.55	0.80	1.65
1.10	0.75	1.40	6 × 16	1.60	0.70	1.05	1.85
1.20	0.85	1.70	6 × 18	1.90	0.85	1.25	2.15
1.35	0.95	2.30	6 × 20	2.60	0.95	1.40	2.85
1.50	1.00	2.85	6 × 22	3.25	1.15	1.55	3.50
1.60	1.10	3.40	6 × 24	3.90	1.40	1.80	4.15
------	----------	3.75	6 × 28	4.40	1.55	2.00	4.65
------	----------	4.70	6 × 32	5.40	1.85	2.50	5.65
0.85	0.55	0.80	7 × 7	0.90	0.35	*0.60	1.15
0.90	0.60	1.00	7 × 10	1.10	0.50	*0.65	1.35
0.95	0.70	1.10	7 × 12	1.25	0.60	0.75	1.50
1.05	0.75	1.35	7 × 14	1.55	0.70	0.90	1.80
0.85	0.55	0.90	8 × 8	1.00	0.50	*0.65	1.25
0.90	0.60	1.00	8 × 10	1.10	0.55	*0.70	1.35
0.95	0.70	1.15	8 × 12	1.25	0.60	*0.75	1.50
1.00	0.75	1.25	8 × 13	1.45	0.65	0.85	1.70
1.05	0.80	1.40	8 × 14	1.60	0.70	0.90	1.85
1.10	0.85	1.55	8 × 15	1.80	0.80	*1.05	2.05
1.15	0.85	1.80	8 × 16	2.10	0.90	1.15	2.35
1.25	0.90	2.50	8 × 18	2.90	1.05	*1.30	3.15
1.40	1.10	3.15	8 × 21	3.60	1.35	*1.60	3.85
1.60	1.30	3.65	8 × 24	4.20	1.65	*1.75	4.45
------	----------	4.05	8 × 27	4.70	1.95	2.00	4.95
------	----------	4.80	8 × 30	5.60	2.25	2.30	5.85
0.85	0.65	1.10	9 × 9	1.25	0.60	*0.75	1.50
1.00	0.70	1.25	9 × 12	1.40	0.70	*0.85	1.65
1.10	0.75	1.45	9 × 13	1.60	0.75	*0.90	1.85
1.15	0.80	1.55	9 × 14	1.70	0.80	*0.95	1.95
1.20	0.85	1.75	9 × 15	2.00	0.90	1.10	2.25
1.25	0.85	1.85	9 × 16	2.20	1.05	1.20	2.45
1.40	0.90	2.25	9 × 17	2.65	1.25	1.25	2.90
1.50	0.95	2.55	9 × 18	3.00	1.35	1.30	3.25
1.60	1.00	2.80	9 × 19	3.35	1.45	1.40	3.60
1.70	----------	3.10	9 × 20	3.65	1.55	1.50	3.90
------	----------	3.65	9 × 22	4.25	1.75	1.70	4.50
------	----------	4.25	9 × 24	4.90	1.90	1.85	5.15
------	----------	4.65	9 × 25	5.30	2.15	2.00	5.55
------	----------	5.00	9 × 26	5.70	2.40	2.20	5.95
------	----------	5.30	9 × 28	6.10	2.65	2.45	6.35
------	----------	5.65	9 × 30	6.50	2.90	2.65	6.75

JAPANNED—BLACK OR WHITE.

CONTINUED.

Wall Frame. 4 in. deep.	Wall Frame. 2 in. deep.	Register Without Valves.	SIZE OF OPENING	Register.	Register Face.	Floor Border	Ventilator for Cords.
1.00	0.65	1.35	10×10	1.50	0.65	*0.80	1.75
1.05	0.75	1.40	10×12	1.60	0.80	*0.90	1.85
1.15	0.80	1.65	10×14	1.90	0.90	*1.00	2.15
1.25	0.90	2.00	10×16	2.30	1.10	*1.30	2.55
1.50	1.00	2.65	10×18	3.10	1.40	*1.45	3.35
1.75	1.05	3.30	10×20	3.85	1.60	1.65	4.10
2.10		4.25	10×24	5.00	2.00	2.20	5.25
1.60	1.00	2.50	11×17	2.90	1.45	1.45	3.15
1.20	0.80	1.95	12×12	2.25	1.10	*1.25	2.50
1.40	0.85	2.15	12×14	2.50	1.20	*1.35	2.75
1.50	0.90	2.30	12×15	2.65	1.30	*1.40	2.90
1.55	0.95	2.50	12×16	2.85	1.40	*1.45	3.10
1.60	1.00	2.60	12×17	2.95	1.50	*1.50	3.20
1.70	1.05	2.75	12×18	3.20	1.60	*1.55	3.45
1.75	1.10	3.05	12×19	3.50	1.70	*1.60	3.75
1.85	1.15	3.55	12×20	4.00	1.85	*1.75	4.25
2.15	1.35	4.50	12×24	5.25	2.50	*2.35	5.50
2.60		6.75	12×30	7.50	3.25	2.90	7.75
3.25	2.10	8.75	12×36	10.00	4.50	3.50	10.25
1.75	1.10	3.10	14×14	3.60	1.65	*1.50	4.10
1.80	1.15	3.50	14×16	3.95	1.75	*1.60	4.45
1.85	1.20	3.70	14×18	4.30	1.95	*1.80	4.80
1.90	1.25	3.95	14×20	4.65	2.15	*2.00	5.15
1.95	1.30	4.25	14×22	5.00	2.40	2.25	5.50
2.50		6.00	15×25	7.00	3.15	2.45	7.50
1.85		3.95	16×16	4.60	2.10	1.85	5.10
2.05		4.50	16×18	5.30	2.50	2.30	5.80
2.20		4.90	16×20	5.70	2.75	2.40	6.20
2.35		5.40	16×22	6.25	3.00	2.60	6.75
2.45		6.10	16×24	7.00	3.25	2.75	7.50
2.80		7.50	16×28	8.75	4.40	3.25	9.25
3.30		9.00	16×32	10.50	5.00	3.60	11.00
2.25		6.10	18×18	7.10	3.10	2.55	7.60
2.40		6.90	18×21	7.90	3.50	2.85	8.40
2.60		7.40	18×24	8.50	3.90	3.10	9.00
2.90		8.80	18×27	10.30	4.80	3.50	10.80
3.25		10.00	18×30	11.75	5.60	3.75	12.25
3.75		12.20	18×36	14.25	7.15	4.50	14.75
2.50		6.45	20×20	7.50	3.25	2.75	8.00
2.60		7.35	20×22	8.50	3.95	3.00	9.00
2.85		7.75	20×24	9.00	4.25	3.25	9.50
3.00		8.40	20×26	9.75	4.65	3.50	10.25
3.40		9.55	20×28	11.10	5.00	3.80	11.60
3.45		10.70	20×30	12.50	5.75	4.30	13.00
3.80		12.00	20×32	14.00	6.75	4.75	14.50
4.45		13.70	20×36	16.00	8.00	5.25	16.50
		7.85	21×21	9.15	4.35	3.40	9.65
		8.65	21×25	10.10	4.85	3.65	10.60
3.45		9.65	21×29	11.50	5.10	3.90	12.00
		12.75	21×33	15.00	7.75		15.50
4.75		15.40	21×37	18.00	8.75		18.50
3.45		9.85	24×24	11.50	5.10	3.90	12.00
3.65		10.70	24×27	12.50	5.75	4.00	13.00
3.95		12.20	24×30	14.15	6.90	4.25	14.65
4.20		13.45	24×32	15.85	7.75	4.95	16.35
4.60		16.00	24×36	18.75	9.00	5.60	19.25
5.60		21.60	24×45	25.25	13.00	6.50	25.75
4.00		12.00	27×27	14.25	7.15	4.50	14.75
5.25		18.00	27×38	21.00	11.00	5.75	21.50
4.90		15.65	30×30	18.25	8.50	5.50	18.75
5.50		21.65	30×36	25.25	13.00	6.50	25.75
		24.85	30×42	29.00	15.00	7.50	29.50
7.00		30.00	30×48	35.00	18.90	10.75	35.50

EXTRA HEAVY FACES FURNISHED AT 50 PER CENT. ADVANCE UPON THE ORDINARY FACES.

BORDERS* MADE ALSO WITHOUT RIBS ON BACK.

FOR LIST OF SIZES IN THE DIFFERENT DESIGNS, SEE PAGES 1 AND 2.

BRONZED,

GOLD, SILVER, COPPER OR BRONZE FINISH.

SIZE OF OPENING.	Register	Face.	Floor Border
4½× 6½	0.85	0.40	
4× 8	0.90	0.45	
4×10	1.00	0.50	
4×13	1.20	0.55	
4×15	1.40	0.60	1.10
4×18	1.70	0.70	
4×21	3.00	1.00	
4×24	3.50	1.20	
5× 8	1.10	0.50	0.90
5× 9	1.15	0.55	1.00
5×10	1.25	0.60	1.05
5×11	1.35	0.65	1.10
5×12	1.45	0.70	1.15
5×13	1.55	0.75	1.20
5×14	1.75	0.80	1.25
5×15	1.80	0.85	1.35
5×16	1.90	0.90	1.40
5×17	2.10	0.95	
5×18	2.30	1.00	
6× 6	1.10	0.50	0.85
6× 8	1.15	0.55	0.90
6× 9	1.25	0.60	1.00
6×10	1.35	0.65	1.10
6×12	1.60	0.80	1.20
6×14	1.85	0.90	1.30
6×16	2.15	1.00	1.45
6×18	2.35	1.15	1.55
6×20	3.10	1.35	1.70
6×22	3.75	1.50	1.80
6×24	4.40	1.75	1.95
6×28	5.25	2.25	2.30
6×32	6.50	3.00	2.85
7× 7	1.20	0.55	0.90
7×10	1.50	0.75	1.15
7×12	1.65	1.00	1.30
7×14	2.15	1.20	1.45
8× 8	1.35	0.70	1.10
8×10	1.50	0.95	1.20
8×12	1.70	1.05	1.35
8×13	2.15	1.15	1.45
8×14	2.30	1.25	1.50
8×15	2.45	1.30	1.55
8×16	2.75	1.40	1.65
8×18	3.40	1.60	1.75
8×21	4.40	1.90	1.90
8×24	5.40	2.25	2.10
8×27	6.20	2.60	
8×30	7.00	2.95	
9× 9	1.70	0.90	1.25
9×12	2.00	1.10	1.40
9×13	2.35	1.25	1.50
9×14	2.45	1.35	1.60
9×15	2.75	1.50	1.70
9×16	3.00	1.70	1.80
9×17	3.35	1.85	1.90
9×18	3.50	2.00	2.00
9×19	4.10	2.10	2.10
9×20	4.50	2.20	2.20
9×22	5.00	2.45	2.35
9×24	5.60	2.65	2.60
9×25	5.75	2.75	
9×26	5.90	2.90	
9×28	6.50	3.20	
9×30	7.25	3.50	

SIZE OF OPENING.	Register	Face.	Floor Border
10×10	2.10	1.20	1.40
10×12	2.20	1.35	1.45
10×14	2.50	1.65	1.70
10×16	3.10	1.85	1.90
10×18	3.95	2.10	2.10
10×20	4.85	2.30	2.30
10×24	6.25	2.85	
11×17	3.85	2.20	
12×12	3.00	1.65	1.95
12×14	3.45	1.95	2.10
12×15	3.70	2.10	2.20
12×16	3.95	2.20	2.30
12×17	4.15	2.35	2.40
12×18	4.45	2.50	2.50
12×19	4.75	2.65	2.60
12×20	5.25	2.80	2.70
12×24	6.80	3.35	3.10
12×30	8.80	4.15	4.05
12×36	11.00	5.00	5.00
14×14	4.40	2.45	2.45
14×16	4.95	2.75	2.70
14×18	5.40	3.10	2.90
14×20	6.00	3.45	3.10
14×22	6.60	3.80	3.30
15×25	8.50	4.75	4.00
16×16	5.75	3.35	3.10
16×18	6.45	3.75	3.25
16×20	7.00	4.15	3.40
16×22	7.80	4.60	3.60
16×24	8.60	5.00	3.80
16×28	10.10	5.80	4.30
16×32	12.00	6.65	4.75
18×18	8.30	4.25	3.75
18×21	9.20	4.90	3.95
18×24	9.75	5.70	4.30
18×27	11.60	6.30	4.65
18×30	13.25	7.00	5.00
18×36	16.25	8.40	5.75
20×20	9.25	5.35	4.35
20×22	10.00	5.90	4.55
20×24	11.00	6.40	4.80
20×26	12.00	6.95	5.10
20×28	13.20	7.50	5.40
20×30	14.75	8.00	5.60
20×32	16.25	8.55	5.75
20×36	18.50	9.65	6.50
21×21	10.25	6.00	4.55
21×25	12.10	7.00	5.40
21×29	14.00	8.30	6.00
21×33	18.00	10.90	
21×37	21.20	11.75	
24×24	14.10	8.50	6.00
24×27	15.75	9.60	6.40
24×30	17.65	10.70	7.20
24×32	18.85	11.40	7.65
24×36	22.00	12.80	8.60
24×45	29.50	17.50	11.70
27×27	18.90	11.55	7.40
27×38	26.60	16.30	10.20
30×30	24.00	14.60	9.00
30×36	29.50	17.50	11.70
30×42	34.00	21.00	15.50
30×48	40.00	25.40	19.25

FOR LIST OF SIZES IN THE DIFFERENT DESIGNS, SEE PAGES 1 AND 2.

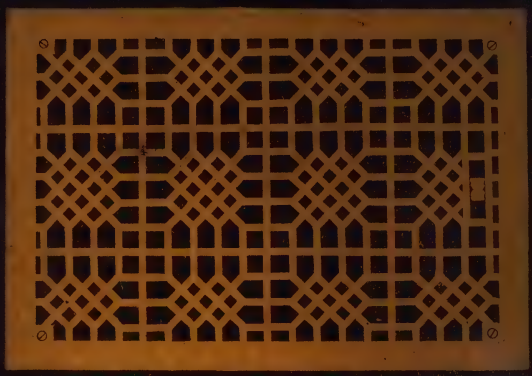
RENAISSANCE DESIGN.

BRONZE METAL OR ELECTRO BRONZE PLATED

This is one of our latest and most elaborate designs.
The Brass and Bronze Metal Faces are chased by hand mak
it the most artistic Register ever made

SEE PAGE 14 FOR PRICES IN THIS DESIGN

INDIAN LATTICE DESIGN.



ELECTRO BRASS PLATED.

SEE PAGE 9 FOR PRICES IN THIS FINISH.

EMPIRE DESIGN,

FOR SIDE WALL ONLY, UNLESS STRENGTHENED [illegible]

BRASS METAL.

This is our latest and most elaborate design.
The Brass and Bronze Metal Faces are chased by hand, mak-
ing it the most artistic Register ever made.

SEE PAGE 13 FOR PRICES IN THIS DESIGN.

ELECTRO-PLATED, BRASS, BRONZE, OR COPPER.

SIZE OF OPENING.	Register.	Face.	Floor B'rdr	Regis'r Oxi'zd Silver	SIZE OF OP'NING	Register.	Face.	Floor B'rdr	Regist'r Oxi'zed Silver.
4½× 6½	1.95	1.30	.....	3.95	10×10	3.75	2.40	2.40	9.75
4 × 8	2.15	1.50	.....	4.65	10×12	4.10	2.70	2.70	11.10
4 ×10	2.30	1.55	.....	5.30	10×14	4.55	2.95	2.95	12.55
4 ×13	2.65	1.75	.....	6.40	10×16	5.20	3.25	3.25	13.95
4 ×15	2.80	1.85	2.00	7.80	10×18	5.75	3.40	3.40	15.75
4 ×18	3.20	2.10	———	8.20	10×20	6.30	3.65	3.65	17.30
4 ×21	3.65	2.35	.....	9.75	10×24	8.00	4.70	.....	22.30
4 ×24	4.50	2.60	.....	10.60	11×17	6.25	3.60	.....	16.65
5 × 8	2.50	1.65	1.85	5.45	12×12	5.00	3.10	3.10	13.20
5 × 9	2.60	1.70	1.90	5.80	12×14	5.60	3.30	3.30	14.90
5 ×10	2.65	1.75	2.00	6.15	12×15	5.75	3.35	3.35	15.65
5 ×11	2.70	1.80	2.10	6.50	12×16	6.10	3.55	3.55	16.60
5 ×12	2.90	1.85	2.15	7.00	12×17	6.30	3.75	3.75	17.40
5 ×13	3.00	1.95	2.20	7.30	12×18	6.60	3.95	3.90	18.30
5 ×14	3.15	2.05	2.25	8.40	12×19	7.25	4.25	4.10	19.00
5 ×15	3.45	2.15	2.30	8.80	12×20	7.65	4.45	4.30	20.00
5 ×16	3.50	2.25	2.40	9.20	12×24	10.30	5.80	5.20	23.85
5 ×17	3.65	2.35	———	9.75	12×30	13.40	8.15	7.00	32.65
5 ×18	3.80	2.50	.....	9.30	12×36	16.65	10.00	8.50	38.00
6 × 6	2.50	1.65	1.80	5.15	14×14	7.00	4.10	4.00	17.65
6 × 8	2.60	1.70	1.85	5.80	14×16	8.00	4.85	4.50	20.00
6 × 9	2.65	1.75	1.90	6.30	14×18	9.35	5.80	4.80	22.65
6 ×10	2.70	1.80	2.00	6.70	14×20	10.20	6.30	5.20	24.85
6 ×12	3.20	2.00	2.20	7.85	14×22	11.00	6.90	5.50	26.95
6 ×14	3.35	2.10	2.30	8.65	15×25	14.10	9.50	7.50	33.25
6 ×16	3.60	2.30	2.40	9.60	16×16	9.70	6.15	4.75	23.20
6 ×18	3.90	2.50	2.60	10.55	16×18	10.60	6.65	5.10	26.00
6 ×20	5.25	3.25	3.05	12.30	16×20	10.95	7.00	5.40	27.35
6 ×22	5.90	3.65	3.50	14.00	16×22	13.35	8.50	6.00	30.65
6 ×24	6.65	3.85	3.65	15.30	16×24	14.15	9.50	6.60	33.65
6 ×28	8.50	5.45	5.00	20.00	16×28	17.30	11.85	9.00	40.50
6 ×32	10.00	6.30	6.00	24.00	16×32	21.15	13.80	10.60	46.65
7 × 7	2.65	1.75	1.85	6.05	18×18	14.30	8.65	6.25	29.30
7 ×10	3.00	1.95	2.25	7.50	18×21	15.35	9.35	6.95	35.50
7 ×12	3.40	2.15	2.40	8.30	18×24	17.10	11.80	9.00	38.65
7 ×14	3.75	2.40	2.65	9.30	18×27	20.00	12.65	9.65	44.15
8 × 8	3.00	2.00	2.20	7.15	18×30	22.00	13.65	10.65	48.65
8 ×10	3.20	2.10	2.30	8.20	18×36	26.65	16.00	13.35	58.30
8 ×12	3.45	2.25	2.40	9.30	20×20	15.35	10.65	7.25	35.50
8 ×13	3.75	2.50	2.65	9.90	20×22	17.00	11.65	8.65	38.60
8 ×14	4.00	2.60	2.75	10.60	20×24	17.60	12.25	9.80	41.40
8 ×15	4.10	2.70	3.00	11.15	20×26	20.30	14.00	10.40	46.00
8 ×16	4.55	3.00	3.20	12.15	20×28	21.75	15.00	11.40	48.00
8 ×18	5.00	3.10	3.35	12.95	20×30	23.75	16.00	12.25	52.30
8 ×21	6.00	3.70	4.00	15.30	20×32	25.75	17.00	13.30	56.60
8 ×24	7.35	4.15	4.50	18.50	20×36	29.75	19.00	14.60	63.35
8 ×27	9.00	5.50	———	22.00	21×21	16.15	12.65	9.00	43.30
8 ×30	10.35	6.50	.....	25.35	21×25	20.65	13.80	10.40	46.65
9 × 9	3.65	2.20	2.30	8.35	21×29	22.00	14.15	11.65	51.80
9 ×12	3.80	2.40	2.50	10.20	21×33	26.15	16.15	14.00	57.35
9 ×13	3.95	2.55	2.60	10.80	21×37	30.65	18.65	15.50	66.65
9 ×14	4.10	2.70	2.80	11.50	24×24	22.00	14.15	11.65	51.80
9 ×15	4.50	2.90	3.05	12.00	24×27	26.65	17.00	13.35	58.35
9 ×16	4.90	3.05	3.20	12.65	24×30	30.00	18.50	14.65	64.65
9 ×17	5.35	3.10	3.25	13.30	24×32	32.00	19.65	15.50	66.00
9 ×18	5.70	3.35	3.50	14.15	24×36	36.00	22.25	16.65	77.35
9 ×19	6.05	3.60	3.75	15.00	24×45	45.65	30.00	23.65	96.00
9 ×20	6.25	3.85	4.00	15.80	27×27	33.00	23.15	15.00	70.00
9 ×22	6.50	4.20	4.35	17.80	27×38	41.65	27.00	20.00	90.00
9 ×24	7.80	4.65	4.80	19.65	30×30	36.65	25.35	16.65	78.65
9 ×25	8.50	5.20	.....	20.65	30×36	45.65	30.00	23.65	96.00
9 ×26	9.15	5.70	———	21.65	30×42	53.35	33.35	30.00	110.00
9 ×28	9.80	6.20	.....	23.35	30×48	65.00	43.35	38.00	———
9 ×30	11.00	7.00	.....	26.65					

FOR LIST OF SIZES IN THE DIFFERENT DESIGNS, SEE PAGES 1 AND 2.

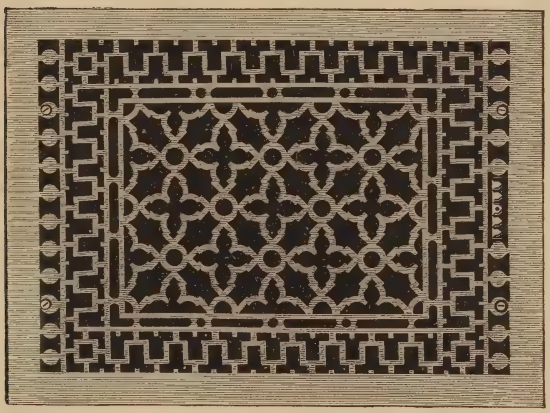
NICKEL-PLATED.

SIZE OF OPENING.	Register	Face.	Floor Border
4½× 6½	1.25	0.85	
4× 8	1.40	0.95	
4×10	1.50	1.00	
4×13	1.70	1.05	
4×15	1.95	1.15	1.30
4×18	2.20	1.20	
4×21	3.35	1.45	
4×24	3.90	1.70	
5× 8	1.65	1.05	1.20
5× 9	1.70	1.10	1.25
5×10	1.75	1.15	1.30
5×11	1.80	1.20	1.35
5×12	1.85	1.25	1.40
5×13	1.95	1.30	1.45
5×14	2.05	1.35	1.50
5×15	2.15	1.40	1.55
5×16	2.25	1.45	1.60
5×17	2.35	1.50	
5×18	2.55	1.60	
6× 6	1.60	1.05	1.15
6× 8	1.70	1.10	1.25
6× 9	1.75	1.15	1.30
6×10	1.80	1.20	1.35
6×12	2.00	1.30	1.45
6×14	2.15	1.40	1.55
6×16	2.35	1.50	1.65
6×18	2.60	1.75	1.75
6×20	3.40	2.10	2.00
6×22	4.20	2.30	2.20
6×24	5.00	2.50	2.40
6×28	6.50	3.50	3.20
6×32	8.00	4.50	4.00
7× 7	1.75	1.15	1.25
7×10	1.95	1.25	1.45
7×12	2.20	1.40	1.60
7×14	2.45	1.55	1.70
8× 8	1.95	1.30	1.40
8×10	2.10	1.40	1.50
8×12	2.25	1.50	1.60
8×13	2.45	1.60	1.70
8×14	2.60	1.70	1.80
8×15	2.75	1.80	1.90
8×16	3.20	1.90	2.00
8×18	4.00	2.25	2.25
8×21	5.00	3.00	2.60
8×24	6.00	3.60	2.90
8×27	7.00	4.50	
8×30	8.25	5.50	
9× 9	2.15	1.45	1.50
9×12	2.45	1.55	1.65
9×13	2.70	1.65	1.75
9×14	2.90	1.75	1.85
9×15	3.30	1.90	1.95
9×16	3.50	2.00	2.05
9×17	3.80	2.25	2.15
9×18	4.10	2.55	2.30
9×19	4.50	2.75	2.45
9×20	5.10	3.00	2.60
9×22	5.65	3.30	2.85
9×24	6.50	4.00	3.20
9×25	6.90	4.40	
9×26	7.40	4.90	
9×28	8.10	5.60	
9×30	8.50	6.00	

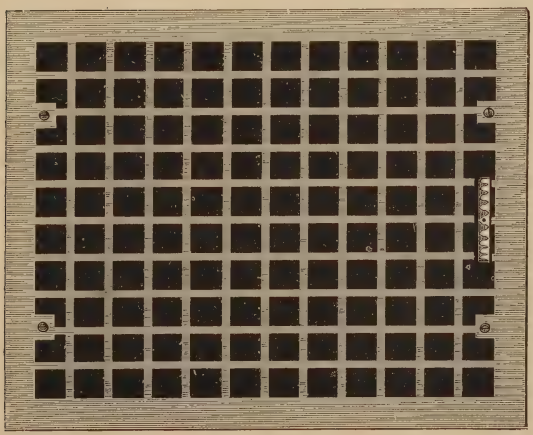
SIZE OF OPENING.	Register	Face.	Floor Border
10×10	2.45	1.60	1.65
10×12	2.65	1.75	1.75
10×14	2.95	2.00	2.00
10×16	3.65	2.25	2.20
10×18	4.40	2.50	2.40
10×20	5.35	3.10	2.75
10×24	6.90	4.30	
11×17	4.40	2.75	
12×12	3.40	2.05	2.25
12×14	3.85	2.35	2.45
12×15	4.20	2.50	2.55
12×16	4.40	2.75	2.65
12×17	4.65	2.95	2.80
12×18	5.00	3.10	2.95
12×19	5.50	3.25	3.10
12×20	6.00	3.50	3.20
12×24	7.75	4.10	3.70
12×30	9.80	6.10	4.75
12×36	12.50	8.00	5.75
14×14	5.20	3.00	3.00
14×16	5.75	3.30	3.25
14×18	6.30	3.70	3.50
14×20	6.90	4.15	3.75
14×22	7.50	4.45	4.00
15×25	9.50	6.00	4.85
16×16	6.50	3.95	3.50
16×18	7.25	4.40	3.85
16×20	8.00	4.80	4.00
16×22	8.75	5.45	4.55
16×24	9.50	6.00	4.85
16×28	12.00	7.60	6.75
16×32	14.60	9.85	7.80
18×18	9.20	5.55	4.50
18×21	10.00	6.20	5.20
18×24	11.00	7.60	6.75
18×27	12.85	8.25	7.25
18×30	14.75	9.95	8.00
18×36	17.80	11.60	10.00
20×20	10.50	6.85	5.25
20×22	11.50	7.50	6.50
20×24	12.50	8.00	7.40
20×26	13.50	9.25	7.85
20×28	14.50	9.75	8.50
20×30	16.25	10.50	9.25
20×32	18.00	11.70	9.90
20×36	21.50	12.75	11.50
21×21	12.00	7.90	7.25
21×25	14.00	9.00	7.80
21×29	16.25	10.50	9.00
21×33	20.50	12.30	
21×37	23.50	14.00	
24×24	16.50	11.00	9.00
24×27	18.00	11.70	10.25
24×30	20.00	12.00	11.25
24×32	22.50	13.00	11.90
24×36	26.25	16.50	12.65
24×45	33.50	21.00	17.75
27×27	21.75	12.75	11.00
27×38	31.25	20.00	15.00
30×30	28.00	17.50	12.90
30×36	33.50	21.00	17.75
30×42	40.00	26.00	22.50
30×48	51.00	35.00	29.00

FOR LIST OF SIZES IN THE DIFFERENT DESIGNS, SEE PAGES 1 AND 2.

PERSIAN DESIGN.



PLAIN LATTICE DESIGN.



FOR LIST OF SIZES IN THESE DESIGNS, SEE PAGE 1.

WHITE PORCELAIN.

SIZE OF OPENING	Register.	Face.	Ventl'r for Cords	Floor Border
4½× 6½	1.85	1.25	2.10	
4× 8	2.00	1.35	2.25	
4×10	2.15	1.40	2.40	
4×13	2.45	1.60	2.70	
4×15	2.70	1.75	2.95	2.25
4×18	3.00	1.90	3.25	
4×21	3.60	2.25	3.85	
4×24	4.50	2.60	4.75	
5× 8	2.25	1.55	2.50	2.05
5× 9	2.40	1.60	2.65	2.15
5×10	2.45	1.65	2.70	2.25
5×11	2.70	1.75	2.95	2.35
5×12	2.90	1.80	3.15	2.45
5×13	2.95	1.85	3.20	2.55
5×14	3.00	1.90	3.25	2.70
5×15	3.20	2.00	3.45	2.85
5×16	3.35	2.15	3.60	2.95
5×17	3.60	2.25	3.85	
5×18	3.75	2.40	4.00	
6× 6	2.20	1.50	2.45	2.00
6× 8	2.35	1.55	2.60	2.05
6× 9	2.40	1.60	2.65	2.15
6×10	2.55	1.65	2.80	2.25
6×12	2.95	1.80	3.20	2.45
6×14	3.05	1.85	3.30	2.70
6×16	3.40	2.15	3.65	2.95
6×18	3.80	2.40	4.05	3.10
6×20	5.05	3.05	5.30	3.35
6×22	5.65	3.40	5.90	3.65
6×24	6.35	3.65	6.60	4.05
6×28	8.50	5.45	8.75	5.00
6×32	10.00	6.35	10.25	6.15
7× 7	2.55	1.60	2.80	2.05
7×10	2.90	1.85	3.15	2.40
7×12	3.20	2.10	3.45	2.50
7×14	3.75	2.50	4.00	2.90
8× 8	2.85	1.85	3.10	2.20
8×10	3.00	2.00	3.25	2.40
8×12	3.20	2.10	3.45	2.50
8×13	3.80	2.50	4.05	2.80
8×14	4.00	2.60	4.25	3.00
8×15	4.10	2.65	4.35	3.05
8×16	4.35	2.95	4.60	3.30
8×18	4.80	3.20	5.05	3.50
8×21	6.00	3.75	6.25	4.00
8×24	7.35	4.15	7.60	4.50
8×27	9.00	5.50	9.25	
8×30	10.35	6.50	10.60	
9× 9	3.10	2.20	3.35	2.40
9×12	3.60	2.40	3.85	2.60
9×13	3.90	2.60	4.15	2.80
9×14	4.20	2.80	4.45	3.00
9×15	4.50	2.85	4.75	3.05
9×16	4.95	3.10	5.20	3.25
9×17	5.35	3.15	5.60	3.30
9×18	5.75	3.35	6.00	3.45
9×19	6.05	3.60	6.30	3.75
9×20	6.30	3.90	6.55	4.00
9×22	6.50	4.20	6.75	4.35
9×24	7.85	4.65	8.10	4.85
9×25	8.50	5.25	8.75	
9×26	9.20	5.70	9.45	
9×28	9.85	6.20	10.10	
9×30	11.00	7.00	11.25	

SIZE OF OPENING	Register.	Face.	Ventl'r for Cords	Floor Border
10×10	3.50	2.45	3.75	2.55
10×12	4.00	2.70	4.25	2.80
10×14	4.65	3.15	4.90	3.10
10×16	5.35	3.55	5.60	3.60
10×18	6.00	4.05	6.25	4.10
10×20	6.65	4.45	6.90	4.65
10×24	8.35	5.70	8.60	
11×17	6.70	4.55	6.95	
12×12	4.80	3.20	5.05	3.25
12×14	5.65	3.65	5.90	3.65
12×15	6.00	4.05	6.25	3.95
12×16	6.40	4.30	6.65	4.40
12×17	6.80	4.60	7.05	4.65
12×18	7.20	4.85	7.45	4.70
12×19	7.60	5.10	7.85	4.95
12×20	8.00	5.40	8.25	5.30
12×24	9.60	6.45	9.85	5.80
12×30	14.65	9.65	14.90	7.75
12×36	18.00	12.00	18.25	9.65
14×14	6.85	4.70	7.35	4.50
14×16	7.85	5.40	8.35	4.65
14×18	8.85	6.10	9.35	5.50
14×20	9.80	6.70	10.30	5.85
14×22	10.75	6.75	11.25	6.25
15×25	13.40	9.60	13.90	7.80
16×16	8.95	6.15	9.45	5.40
16×18	10.60	7.15	11.10	5.80
16×20	11.20	7.65	11.70	5.95
16×22	13.35	8.50	13.85	7.00
16×24	13.45	9.20	13.95	7.55
16×28	17.35	11.85	17.85	9.65
16×32	21.15	14.65	21.65	11.00
18×18	13.35	8.65	13.85	7.00
18×21	15.35	9.35	15.85	9.00
18×24	17.35	11.80	17.85	9.65
18×27	20.00	12.65	20.50	10.35
18×30	22.00	13.65	22.50	11.35
18×36	26.65	16.00	27.15	14.00
20×20	14.35	10.00	14.85	8.00
20×22	16.65	11.65	17.15	9.35
20×24	17.60	12.00	18.10	10.00
20×26	19.10	13.00	19.60	11.00
20×28	21.65	15.10	22.15	12.25
20×30	22.35	15.35	22.85	13.25
20×32	25.65	16.65	26.15	14.00
20×36	29.35	18.00	29.85	16.00
21×21	18.15	12.65	18.65	10.35
21×25	20.65	13.85	21.15	11.15
21×29	22.35	15.25	22.85	12.50
21×33	26.15	16.15	26.65	14.05
21×37	30.65	17.00	31.15	16.00
24×24	22.35	15.25	22.85	12.50
24×27	26.65	17.00	27.15	14.65
24×30	30.00	18.50	30.50	16.00
24×32	32.00	19.65	32.50	16.35
24×36	36.00	22.25	36.50	18.00
24×45	45.65	28.00	46.15	23.35
27×27	33.00	23.15	33.50	16.65
27×38	41.65	27.00	42.15	22.35
30×30	36.65	25.35	37.15	18.15
30×36	45.65	30.00	46.15	23.35
30×42	53.35	33.35	53.85	30.00
30×48	65.00	43.35	65.50	38.00

FOR LIST OF SIZES IN THE DIFFERENT DESIGNS, SEE PAGES 1 AND 2.

EMPIRE DESIGN.

FOR SIDE WALL ONLY, UNLESS STRENGTHENING BARS ARE USED.

DESIGN PATENTED.

SPECIAL LIST PRICE.

Size of Opening.	BRONZED	PLATED ON IRON.			SOLID METAL.	
		Brass, Copper or Bronze.	Nickel.	Oxidized Silver.	Brass or Bronze.	Silver Plate
9×12	2.50	4.75	3.05	11.25	7.25	12.95
9×20	5.65	7.85	6.35	17.35	12.10	21.00
10×12	2.75	5.15	3.30	12.25	8.25	13.25
10×14	3.15	5.70	3.70	13.75	9.50	16.30
10×16	3.90	6.20	4.55	15.35	10.90	18.15
10×18	4.95	7.20	5.50	17.30	12.20	21.00
10×20	5.80	8.00	6.50	18.00	12.60	22.00
12×12	3.75	6.25	4.25	14.55	10.25	17.15
12×14	4.30	7.00	4.80	16.40	11.90	19.80
12×15	4.65	7.20	5.25	17.20	12.70	22.00
12×16	4.95	7.65	5.50	18.25	13.50	23.10
12×17	5.20	7.85	5.80	19.15	14.35	25.00
12×18	5.60	8.30	6.25	20.15	15.20	25.90
12×19	5.95	9.10	6.85	21.00	16.15	26.80
14×14	5.50	8.75	6.50	19.45	14.25	23.10
14×16	6.20	10.00	7.20	22.00	16.45	27.25
14×18	6.75	11.70	7.90	25.00	18.35	29.15
14×20	7.50	12.75	8.60	27.50	20.35	32.45
14×22	8.25	13.70	9.35	29.75	22.50	36.30
16×18	8.10	13.25	9.05	28.60	21.90	35.50
16×20	8.75	13.55	10.00	30.00	24.40	37.80
16×22	9.75	16.65	10.95	33.75	26.65	42.35
16×24	10.75	17.70	11.85	37.00	29.25	46.20

RENAISSANCE DESIGN REGISTERS.

DESIGN PATENTED.

FOR SIDE WALL ONLY.

This is one of our latest and most elaborate designs.

The Brass and Bronze Metal Faces are chased by hand, making it the most artistic Register ever made.

SIZE OF OPENING	BRONZED	PLATED ON IRON			SOLID METAL	
		Brass, Copper or Bronze.	Nickel.	Oxidized Silver.	Brass or Bronze.	Silver Plated.
4× 8	1.00	2.70	1.75	5.15	2.10	4.00
4×10	1.25	2.90	1.90	5.85	2.30	4.50
6× 8	1.45	3.25	2.15	6.40	3.15	6.00
6×12	2.00	3.90	2.50	8.65	4.70	8.80
8×10	1.95	4.00	2.65	9.05	5.25	9.90
8×12	2.15	4.30	2.85	10.25	6.30	11.70
8×16	3.40	5.70	4.00	13.40	8.45	14.85
9×12	2.50	4.75	3.05	11.25	7.25	12.95
9×13	2.95	4.95	3.40	11.90	7.85	13.75
9×14	3.05	5.15	3.65	12.65	8.45	14.60
9×15	3.45	5.65	4.15	13.20	9.05	15.25
9×16	3.75	6.15	4.40	13.95	9.60	16.00
10×10	2.65	4.70	3.00	10.75	6.85	12.10
10×12	2.75	5.15	3.30	12.25	8.25	13.25
10×14	3.15	5.70	3.70	13.75	9.50	16.30
10×16	3.90	6.20	4.55	15.35	10.90	18.15
12×12	3.75	6.25	4.25	14.55	10.25	17.15
12×14	4.30	7.00	4.80	16.40	11.90	19.80
12×15	4.65	7.20	5.25	17.20	12.70	22.00
12×16	4.95	7.65	5.50	18.25	13.50	23.10
12×17	5.20	7.85	5.80	19.15	14.35	25.00
12×18	5.60	8.30	6.25	20.15	15.20	25.90
12×20	6.50	9.55	7.50	22.00	16.85	28.05
14×14	5.50	8.75	6.50	19.45	14.25	23.10
14×20	7.50	12.75	8.60	27.50	20.35	32.45
16×20	8.75	13.55	10.00	30.00	24.40	37.80
16×24	10.75	17.70	11.85	37.00	29.25	46.20
16×32	15.00	26.45	18.25	51.35	39.40	58.30
20×20	11.55	19.20	13.15	39.05	32.20	50.60
20×24	13.75	22.00	15.70	45.55	38.85	57.75
20×26	15.00	25.40	17.00	50.60	41.95	63.25
21×29	17.50	27.50	20.30	57.00	50.20	74.25
27×38	33.25	52.00	39.00	99.00	91.55	136.40

OCCASIONALLY RENAISSANCE DESIGN IS ORDERED WHERE REGISTER IS PLACED THE LONG WAY IN WALL. TO MEET THIS DEMAND WE HAVE MADE SPECIAL PATTERNS, SEE OPPOSITE PAGE FOR CUT. SIZES MADE 12X20, 12X24.

RENAISSANCE DESIGN.

FOR SIDE WALL ONLY, UNLESS STRENGTHENING BARS ARE USED.

SPECIAL LIST PRICE.

FACES OF SOLID BRASS OR BRONZE METAL.

HIGHLY POLISHED AND LACQUERED. MADE TO ORDER ONLY.

☞ If for use in FLOOR, it should be so stated in ordering, when **strengthening** bars will be added.

SIZE OF OPENING	Register.	Face.	Floor B'der	Reg. Sil'vr Pla'd
4½× 6½	1.65	1.35	.....	3.60
4× 8	1.85	1.45	.....	4.05
4×10	2.25	1.80	.....	5.40
4×13	2.90	2.25	.....	6.60
4×15	3.40	2.65	2.65	7.20
4×18	4.10	3.15	.....	8.75
4×21	4.55	3.60	.....	10.50
4×24	5.90	4.90	.....	12.25
5× 8	2.15	1.70	1.70	5.00
5× 9	2.45	1.95	1.95	5.75
5×10	2.75	2.20	2.20	6.50
5×11	3.00	2.40	2.40	7.00
5×12	3.30	2.65	2.65	7.50
5×13	3.50	2.85	2.85	8.00
5×14	3.75	3.10	3.10	8.50
5×15	4.00	3.15	3.15	9.10
5×16	4.30	3.45	3.45	9.75
5×17	4.55	3.60	3.60	10.50
5×18	4.80	3.80	3.80	11.00
6× 6	1.95	1.55	1.55	4.50
6× 8	2.50	2.00	2.00	5.50
6× 9	2.80	2.25	2.25	6.20
6×10	3.10	2.50	2.50	7.00
6×12	3.75	3.00	3.00	8.00
6×14	4.30	3.45	3.45	9.00
6×16	4.95	3.90	3.90	10.25
6×18	5.55	4.40	4.40	11.55
6×20	6.20	4.90	4.90	12.65
6×22	6.80	4.40	4.40	13.70
6×24	7.40	5.60	5.60	14.80
6×28	8.60	6.90	6.90	17.20
6×32	9.90	7.85	7.85	20.00
7× 7	2.60	2.10	2.10	5.75
7×10	3.70	3.00	3.00	7.80
7×12	4.40	3.60	3.60	9.25
7×14	5.10	4.15	4.15	10.75
8× 8	3.45	2.80	2.80	7.50
8×10	4.20	3.50	3.50	9.00
8×12	5.05	4.20	4.20	10.65
8×13	5.45	4.50	4.50	11.50
8×14	5.90	4.90	4.90	12.25
8×15	6.35	5.25	5.25	12.70
8×16	6.75	5.55	5.55	13.50
8×18	7.60	6.30	6.30	15.20
8×21	8.85	7.30	7.30	17.70
8×24	10.05	8.30	8.30	20.10
8×27	11.50	9.35	.....	23.00
8×30	12.75	10.40	.....	25.00
9× 9	4.35	3.60	3.60	8.70
9×12	5.80	4.80	4.80	11.75
9×13	6.30	5.25	5.25	12.50
9×14	6.75	5.65	5.65	13.25
9×15	7.25	6.00	6.00	13.85
9×16	7.70	6.40	6.40	14.60
9×17	8.20	6.75	6.75	15.60
9×18	8.70	7.20	7.20	16.60
9×19	9.20	7.60	7.60	18.00
9×20	9.70	9.10	9.10	19.00
9×22	10.65	8.75	8.75	20.75
9×24	11.55	9.60	9.60	22.50
9×25	12.10	10.00	10.00	23.50
9×26	12.60	10.45	.....	24.00
9×28	13.50	11.25	.....	25.50
9×30	14.50	12.00	.....	26.60

SIZE OF OPENING.	Register.	Face.	Floor B'rder	Reg. Silver Plated.
10×10	5.50	4.60	4.60	11.00
10×12	6.60	5.50	5.50	12.90
10×14	7.60	6.40	6.40	14.80
10×16	8.70	7.35	7.35	16.50
10×18	9.75	8.20	8.20	19.00
10×20	10.85	9.15	9.15	21.00
10×24	13.25	11.00	.....	25.00
11×17	10.50	8.80	8.80	19.05
12×12	8.20	6.90	6.90	15.60
12×14	9.50	8.10	8.10	18.00
12×15	10.15	8.60	8.60	20.00
12×16	10.80	9.15	9.15	21.00
12×17	11.50	9.80	9.80	22.50
12×18	12.15	10.30	10.30	23.50
12×19	12.90	10.90	10.90	24.25
12×20	13.50	11.50	11.50	25.50
12×24	16.20	13.70	13.70	29.40
12×30	20.25	17.20	.....	37.00
12×36	24.50	20.75	20.75	45.20
14×14	11.40	9.75	9.75	21.00
14×16	13.15	11.15	11.15	24.75
14×18	14.70	12.50	12.50	26.50
14×20	16.30	13.90	13.90	29.50
14×22	18.00	15.30	15.30	33.00
15×25	22.20	19.00	19.00	40.00
16×16	15.55	13.25	13.25	27.50
16×18	17.50	15.00	15.00	32.25
16×20	19.50	16.50	16.50	34.35
16×22	21.30	18.15	18.15	38.50
16×24	23.40	19.80	19.80	42.00
16×28	27.10	23.10	23.10	47.50
16×32	31.50	27.00	27.00	53.00
18×18	20.25	17.35	17.35	37.00
18×21	23.65	20.25	20.25	42.40
18×24	27.50	23.25	23.25	48.00
18×27	30.40	26.00	26.00	51.15
18×30	33.80	29.00	29.00	58.00
18×36	41.50	35.75	35.75	71.00
20×20	25.75	22.15	22.15	46.00
20×22	28.35	24.25	24.25	49.50
20×24	31.10	26.50	26.50	52.50
20×26	33.55	28.75	28.75	57.50
20×28	36.10	31.00	31.00	62.00
20×30	38.75	33.15	33.15	66.00
20×32	41.25	35.35	35.35	70.00
20×36	46.50	39.75	39.75	80.00
21×21	28.85	24.75	24.75	50.00
21×25	34.40	29.50	29.50	60.00
21×29	40.15	34.25	34.25	67.50
21×33	45.65	38.90	38.90	76.00
21×37	50.80	43.70	43.70	87.00
24×24	39.35	34.15	34.15	67.00
24×27	44.35	38.30	38.30	75.00
24×30	49.25	42.60	42.60	86.00
24×32	52.50	45.50	45.50	89.00
24×36	59.10	51.15	51.15	100.00
24×45	77.00	66.25	66.25	130.00
27×27	52.00	45.00	45.00	88.00
27×38	73.25	63.40	63.40	124.00
30×30	67.10	58.00	58.00	110.00
30×36	77.00	66.25	66.25	130.00
30×42	95.00	81.50	81.50	145.00
30×48	108.00	105.00	105.00	165.60

ROUND SAME PRICE AS SQUARE.

FOR LIST OF SIZES IN THE DIFFERENT DESIGNS, SEE PAGES 1 AND 2.

VERTICAL WHEEL REGISTERS,
FOR EITHER FLOOR OR WALL.
TUTTLE'S PATENTS.

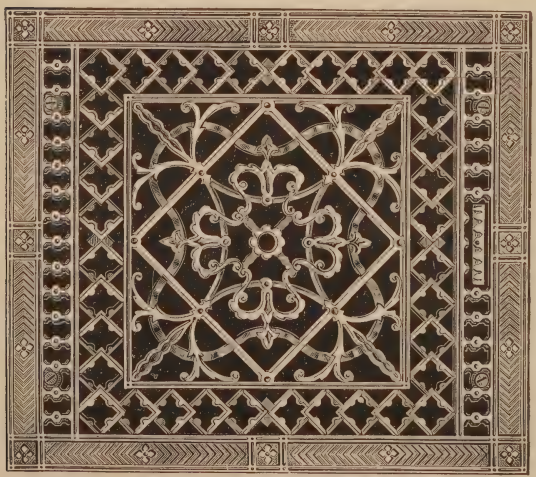
IRON BORDERS AND WALL FRAMES.

VENTILATORS WITH CORD FIXTURES.

BRILLIANT DESIGN.

FLORENTINE DESIGN.

Designed more especially for the higher grades of finish, such as
ELECTRO-PLATED BRASS, COPPER AND NICKEL,
SOLID BRASS AND BRONZE METAL.



FOR LIST OF SIZES IN THESE DESIGNS, SEE PAGE 1.

NEW CONVEX REGISTERS AND VENTILATORS.

LATTICE, FLAMBOYANT AND SELF-INDICATING DESIGNS.

For Shallow Flues and Thin Partitions.
Total Depth when open, 1¼ inch.
With or without Cast Iron Wall Frame, to which the Register is attached by Screws.

TUTTLE'S PATENT.

Size of Opening	JAPAN'ED Black or White	BRONZED Gold, Copper or Bronze Finish.	PLATED Brass, Bronze	PLATED Nickel.	JAPAN'D Face	BRO'Z'D Face	Wall Frame. 2 in. deep.
6× 8	1.25	1.55	3.25	2.15	0.60	0.90	0.50
6×10	1.40	1.85	3.40	2.25	0.70	1.15	0.55
6×12	1.60	2.20	4.00	2.50	0.80	1.40	0.65
8× 8	1.45	1.85	3.75	2.45	0.70	1.15	0.55
8×10	1.50	2.05	4.00	2.65	0.75	1.30	0.60
8×12	1.70	2.35	4.30	2.85	0.85	1.50	0.70
8×15	2.40	3.30	5.15	3.45	1.20	2.10	0.85
9× 9	1.75	2.30	4.55	2.70	0.85	1.40	0.65
9×12	1.90	2.65	4.75	3.05	0.95	1.70	0.70
9×14	2.40	3.25	5.15	3.65	1.20	2.05	0.80
10×10	2.15	2.95	4.70	3.10	1.05	1.85	0.65
10×12	2.25	3.05	5.15	3.30	1.10	1.90	0.75
10×14	2.60	3.50	5.70	3.70	1.30	2.20	0.80
10×16	3.10	4.00	6.50	4.55	1.55	2.45	0.90
12×12	3.00	3.90	6.25	4.25	1.50	2.35	0.80
12×14	3.85	4.90	7.00	4.80	1.90	2.95	0.85
12×15	4.10	5.30	7.20	5.25	2.05	3.25	0.90
12×16	4.35	5.55	7.65	5.50	2.15	3.35	0.95
12×17	4.60	5.85	7.90	5.80	2.30	3.55	1.00
12×18	4.80	6.15	8.25	6.25	2.40	3.75	1.05
12×19	5.00	6.45	9.05	6.90	2.50	3.95	1.10
14×14	5.75	7.00	9.75	7.25	2.75	4.00	1.10
14×16	6.00	7.60	10 75	7.80	3.00	4.60	1.15
14×18	6.50	8.25	11.75	8.35	3.25	5.00	1.20
14×20	7.00	8.80	12.75	8.90	3.50	5.30	1.25
14×22	7.25	9.05	13.75	9.40	3.60	5.40	1.30

LATTICE DESIGN CONVEX.

FOR SIDE WALL ONLY.

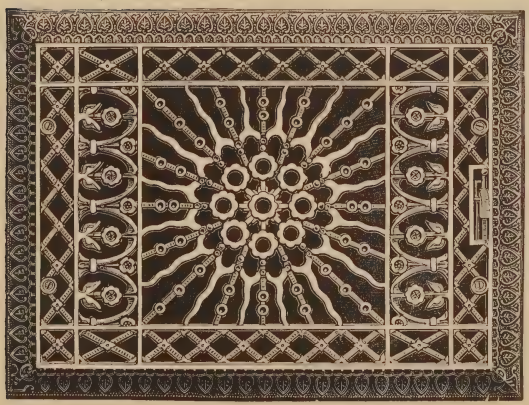
FOR SIZES IN LATTICE, FLAMBOYANT AND SELF-INDICATING DESIGNS, SEE PAGE 2.

SELF-INDICATING DESIGN CONVEX.

FOR SIDE WALL ONLY

FLAMBOYANT DESIGN CONVEX.

FOR SIDE WALL ONLY.



FOR LIST OF SIZES IN THESE DESIGNS, SEE PAGE 2.

ROUND REGISTERS AND IRON BORDERS.

FOR WALL OR FLOOR.

TUTTLE'S PATENTS.

SLIDE CENTRE MOVEMENT.

VENTILATORS WITH FIXTURES FOR CORDS.

IF VENTILATORS ARE FOR CEILING, IT SHOULD BE SO STATED.

JAPANNED—BLACK OR WHITE.

Size of Opening.	Register.	Without Valves.	Register Face.	Ventilator for Cords.	Floor Border.
6 in	0.70	0.60	0.30	0.95	0.50
7 "	0.80	0.70	0.35	1.05	0.55
8 "	0.90	0.80	0.45	1.15	0.60
9 "	1.15	1.00	0.55	1.40	0.70
10 "	1.40	1.20	0 65	1.65	0.80
12 "	1.80	1.55	1.00	2.05	1.20
14 "	2.95	2.55	1.50	3.45	1.50
16 "	3.50	3 00	2.00	4.00	1.85
18 "	5.35	4.60	2.75	5.85	2.55
20 "	6.25	5.35	3.25	6.75	2.75
24 "	10.35	8.85	5.00	10.85	4.50
28 "	14.00	12.00	7.00	14.50	5.50
30 "	17.00	15.00	8.25	17.50	6.50
36 "	30.00	27.00	12.15	30.50	9.20

WHITE PORCELAIN.

Size of Opening.	Register.	Register Face.	Ventilator for Cords.	Floor Border.
6 in	2.00	1.35	2.25	2.00
7 "	2.25	1.50	2.50	2.10
8 "	2.60	1 65	2.85	2.20
9 "	2.85	2.00	3.10	2.40
10 "	3.20	2.25	3.45	2.55
12 "	4.40	2.90	4.65	3.25
14 "	6.30	4.35	6.80	4.50
16 "	8.20	5 60	8.70	5.40
18 "	12.00	8.00	12.50	7.00
20 "	13.50	9.25	14.00	8.00
24 "	20.50	14.00	21.00	13.50
28 "	30.00	20.50	30.50	
30 "	35.00	24.50	35.50	

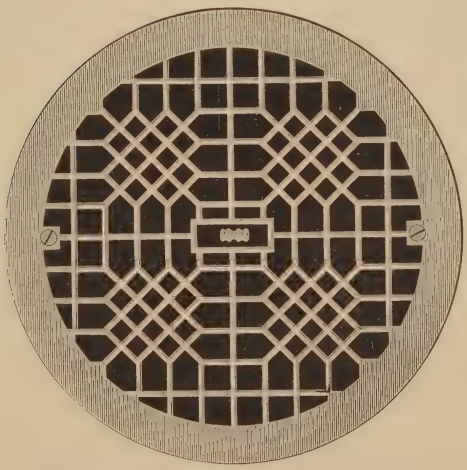
	BRONZED. Gold, Silver, Copper.		***ELECTRO-PLATED.*** Brass, Bronze or Copper.		Nickel.	
Size of Opening.	Register.	Floor Border.	Register.	Floor Border.	Register.	Floor Border.
6 in	1.00	0.85	2.25	1.80	1.45	1.15
7 "	1.15	0.90	2.40	1.90	1.60	1.25
8 "	1.30	1.10	2.70	2.20	1.80	1.40
9 "	1.65	1.25	3.30	2.30	2.00	1.50
10 "	1.90	1.40	3.65	2.40	2.25	1.65
12 "	2.60	1.95	4.50	3.10	3.10	2.25
14 "	3.95	2.45	6.30	4.00	4.75	3.00
16 "	5.00	3.10	8.70	4.75	5.85	3.50
18 "	7.35	3.75	12.85	6.25	8.30	4.50
20 "	8.25	4.35	13.85	7.25	9.50	5.25
24 "	12.85	7.00	19.80	12.65	15.00	10.00
28 "	17.00	8.65	30.00	16.25	20.00	12.25
30 "	21.00	10.25	34.00	18.00	26.00	14.20

ROUND FACES—BRONZED, AND PLATED SAME PRICES AS SQUARE FACES.

ROUND DAISY DESIGN.

Made in sizes 6, 7, 8, 9, 10 and 12 inches only.

ROUND INDIAN LATTICE DESIGN.



Made in sizes 6, 7, 8, 9, 10, 12, 20, 30 and 36 inches.

ROUND PERSIAN DESIGN MADE IN ALL SIZES.

SELF-INDICATING VENTILATORS.

FOR CORDS.

BRILLIANT AND FLAMBOYANT DESIGNS.

FOR SIDE WALL ONLY. TUTTLE'S PATENTS.

Size of Opening.	JAPANNED Black or White.	BRONZED Gold, Copper or Bronze Finish.	PLATED Nickel.	PLATED Brass, Bronze or Copper.
*6× 8	1.00	1.25	1.80	2.70
*6×10	1.10	1.45	1.90	2.80
*7× 7	1.00	1.30	1.85	2.75
*7×10	1.20	1.60	2.05	3.10
8× 8	1.10	1.45	2.05	3.10
8×10	1.20	1.60	2.20	3.30
8×12	1.35	1.80	2.35	3.55
8×15	1.90	2.55	2.85	4.20
9×12	1.50	2.10	2.55	3.90
9×14	1.80	2.55	3.00	4.20
10×10	1.60	2.20	2.55	3.85
10×12	1.70	2.30	2.75	4.20
10×14	2.00	2.60	3.05	4.65
10×16	2.40	3.20	3.75	5.30
*12×12	2.35	3.10	3.50	5.10
12×15	2.75	3.80	4.30	5.85
12×17	3.05	4.25	4.75	6.40
*12×19	3.60	4.85	5.60	7.35
*14×22	5.20	6.80	7.70	11.20

*Made in Brilliant Design only.

ROUND SELF-INDICATING VENTILATORS.

Size of Opening.	JAPANNED Black or White.	BRONZED.
4 in.	0.50	0.80
5 "	0.60	0.90
5½ "	0.70	1.00
6 "	0.80	1.10
7 "	0.90	1.25
8 "	1.00	1.40
9 "	1.25	1.75

INDICATOR HANDLES.

INDICATING "OPEN" OR "SHUT."

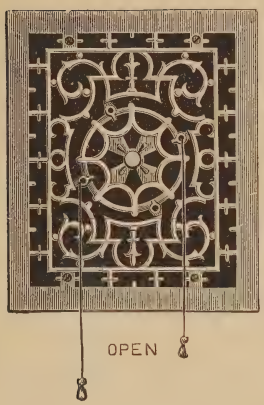
		For Cords.
Japanned	per pair, net	0.10
Bronzed	" " "	0.15
Nickel	" " "	0.15
Bronze Metal	" " "	0.20
Acorns	" " "	0.20
Cord	" yard "	0.03
No. 00 Safety Chain	" " "	0.08
15 feet No. 00 Brass Safety Chain, complete with Brass Indicating Handles and Pullies for side wall or ceiling, ready to attach to Registers	net	0.60

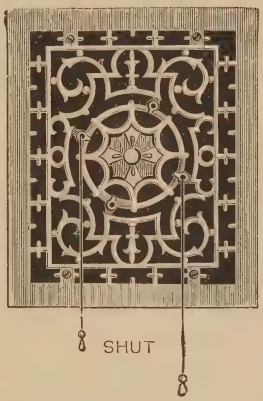
FOR LIST OF SIZES IN THE BRILLIANT AND FLAMBOYANT DESIGNS, SEE PAGE 2.

SELF-INDICATING VENTILATORS.

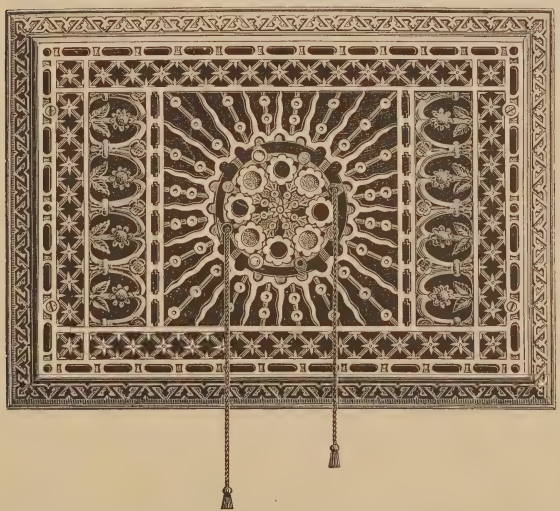
FOR CORDS.

BRILLIANT DESIGN.





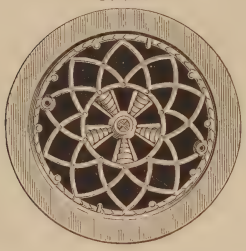
FLAMBOYANT DESIGN.



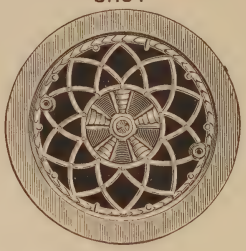
Both ROUND AND SQUARE are made SELF-INDICATING, the position of the valves, whether open or closed, being shown at a glance by the PATENT INDICATING CENTRE. THE ROUND ARE ALSO SELF-LOCKING WHEN CLOSED, AND CANNOT BE DRAWN OPEN BY THE AIR CURRENT. These improvements have been secured by patents, therefore cannot be found in any other make of goods. As a VENTILATOR out of reach, no extra fixtures (such as cranks or levers) are required for attaching cords. May be set either on end or side.

ROUND SELF-INDICATING VENTILATORS.

OPEN



SHUT

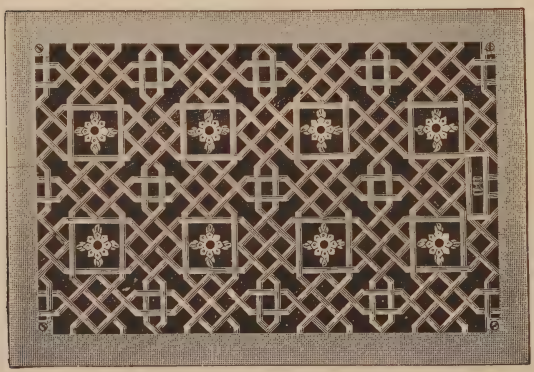


FOR LIST OF SIZES, SEE PAGE 22.

ROUND REGISTER, WITH SQUARE FACE.

Size of Opening	Japanned Register
7 in.	0.90
8 "	1.00
9 "	1.25
10 "	1.50
12 "	2.25

MORESQUE DESIGN.



FOR LIST OF SIZES IN THIS DESIGN, SEE PAGE 2.

PERSIAN DESIGN.

CHANDELIER VENTILATOR.

TUTTLE'S PATENT.

This Ventilator is more ornamental than the ordinary plaster centre piece, and being connected with a flue leading to the outer air, affords a perfect outlet for unwholesome gases and heated air.

Size Outside.	White Japanned.	Bronzed.
18 inch	6.00	8.00
21 inch	7.40	9.50

HEAVY ROUND GRATINGS,

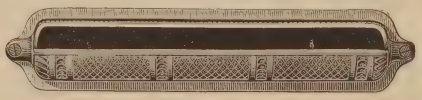
WITHOUT VALVES.

BLACK JAPANNED.

Size of Opening.	Grating.	Border.	Design of Grating.
30 inch	8.25	6.50	Persian and Scroll.
36 "	12.15	9.20	Florentine and Scroll.
48 "	19.60	11.90	Florentine and Scroll.

PERFECTION SASH VENTILATOR.

TO BE PLACED IN THE SASH RAIL INSIDE OF ROOM.

OPEN.  OPEN.

Size of Opening.	*BRONZED.*	*PLATED.*	*BRONZE METAL.*
1½× 9	0.75	2.20	2.35
1½×12	1.00	2.70	2.85
2 × 9	1.00	2.70	2.85
2 ×12	1.15	3.35	3.50

Price includes plate for finish on outside of sash.

CARVED CEILING VENTILATORS.

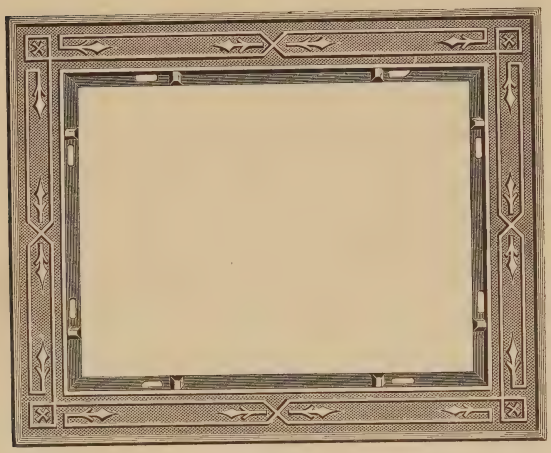
RENAISSANCE DESIGN.

WITH OR WITHOUT VALVES. WITH OPENING THROUGH CENTRE FOR GAS PIPE.
May be operated by chain from the back or through the face as preferred.
FOR CHURCHES AND LARGE HALLS.

Size of Opening.	Extreme Dimensions.	*WHITE AND GOLD.*		*BRONZED.*		*WITHOUT JAPAN.*	
		With Valves.	Face only.	With Valves.	Face only.	With Valves.	Face only.
24 inch	26 5/16 inch.	14.50	5.20	15.50	6.40	13.20	4.00
30 "	32 7/16 "	16.75	7.75	18.00	9.00	15.20	6.20
36 "	38¾ "	24.00	10.75	26.10	12.80	22.00	8.70
***42** "	45 5/16 "		13.85		16.10		11.70
48 "	51⅛ "	36.00	17.25	38.85	20.10	33.75	15.00
60 "	63¼ "		33.40		38.00		29.00
72 "	72 11/16 "		37.00		44.00		30.50
96 "	96⅛ "		50.00				43.40

*Star Design only.

PERSIAN DESIGN BORDER.



HEAVY ROUND GRATING.

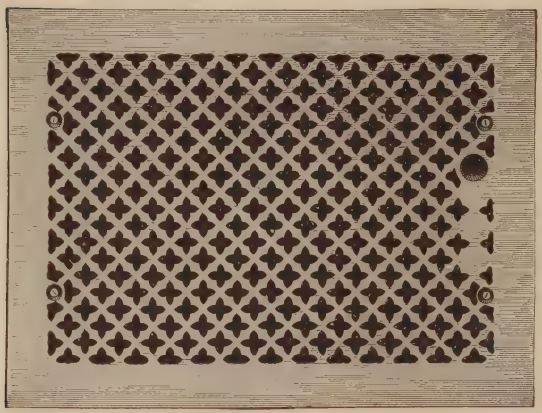
FLORENTINE DESIGN IN 36 AND 48 INCH.

FOR PRICES AND DESIGNS OF HEAVY ROUND GRATINGS, SEE PAGE 26.

IMPROVED LOCK OR ASYLUM REGISTERS.

TUTTLE'S PATENT.

OPERATED BY A KEY. CLOSE FRETWORK.



BLACK JAPANNED.

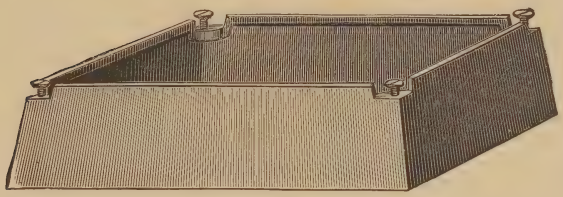
Size of Opening.	Register.	Without Valves.	Register Face.	Reverse Beveled Wall Frame. 4 in. deep.
6× 8	1.25	1.00	0.45	0.80
6×10	1.35	1.05	0.50	0.85
8× 8	1.40	1.10	0.55	0.85
*8×10	1.50	1.20	0.60	0.90
*8×12	1.65	1.30	0.70	0.95
8×15	2.25	1.80	0.90	1.10
*8×18	2.90	2.35	1.25	1.25
8×24	5.00	4.05	2.00	1.60
*9×12	1.90	1.50	0.80	1.00
*9×14	2.35	1.90	0.90	1.15
9×16	2.90	2.35	1.20	1.25
9×18	3.50	2.80	1.60	1.50
*9×20	4.10	3.30	1.95	1.70
10×10	1.90	1.50	0.75	1.00
*10×12	2.30	1.85	0.90	1.05
*10×14	2.50	2.00	1.10	1.15
*10×16	3.00	2.40	1.30	1.25
10×18	3.60	2.90	1.65	1.50
10×20	4.20	3.40	2.00	1.75
*12×12	2.60	2.10	1.20	1.20
12×14	3.10	2.50	1.35	1.40
*12×15	3.25	2.60	1.50	1.50
*12×16	3.50	2.80	1.70	1.55
12×17	3.85	3.10	1.90	1.60
*12×18	4.10	3.30	2.10	1.70
*12×19	4.35	3.50	2.30	1.75
*12×20	4.60	3.70	2.45	1.85
*12×24	5.80	4.65	2.80	2.15
*14×14	4.00	3.20	2.15	1.75
*16×16	5.25	4.20	2.65	1.85
*16×20	6.50	5.20	3.00	2.20
*16×24	7.50	6.00	3.50	2.45
*20×24	10.95	8.75	5.25	2.85
*24×24	14.40	11.45	6.25	3.45

*Made in Plain Lattice Design also.

EXTRA HEAVY FACES FURNISHED AT 25 PER CENT ADVANCE UPON THE ORDINARY FACES.

REVERSE BEVELED WALL FRAME,

TUTTLE'S PATENT.



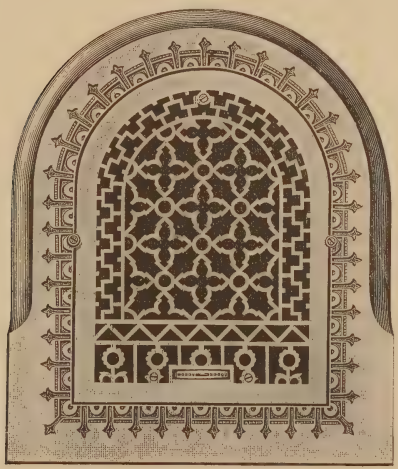
A very important fixture, and the only secure one, for holding the Register in place in Asylums, Hospitals, etc. This frame is solidly masoned into the wall and the Register is attached by screws.

The Register may be removed without disturbing the walls. They are made for all sizes of Registers, 2 inches deep for ordinary work, 4 inches deep for special work.

CIRCULAR TOP WALL BORDER.

TROTTER'S PATENT.

WITH PERSIAN DESIGN REGISTER.



Adapted for use when the Register is placed near the floor, allowance being made in the Border for the base-board.

PRICES FOR BORDERS ONLY.

For Circular Top Registers.	BRO'Z'D	PLATED		For Square Registers.	BRO'Z'D	PLATED	
		Brass or Bronze.	Nickel.			Brass or Bronze.	Nickel
8×12	2.50	5.70	4.25	8×12	2.50	5.70	4.25
10×14	3.30	8.35	6.25	10×14	3.30	8.35	6.25
12×18	4.05	10.00	7.50	12×19	4.15	10.25	7.70

CIRCULAR TOP REGISTERS, CIRCULAR TOP CONVEX REGISTERS, AND WALL BORDERS.

TUTTLE'S PATENTS.

☞In ordering state design of Face wanted.

SIZE OF OPENING.	JAPANNED Register.	JAPANNED. Face.	JAPANNED. Crown Wall Border.	HINGED REGISTER. JAPANNED.	HINGED REGISTER. BRONZED.
7×10	1.25	0.60	0.80	2.25	2.60
8×12	1.45	0.70	1.00		
8×14	1.85	0.80			
9×12	1.65	0.75	1.10	3.00	3.50
10×14	2.15	1.00	1.30		
11×16	3.00	1.45	1.65		
12×18	3.45	1.70	1.80		
16×22	6.50	3.10			
High 11×13	2.40	1.15			
Wide 13×15	3.35	1.55			
Wide 16×17	5.30	2.50			

WHITE PORCELAIN—BRONZED—PLATED.

SIZE OF OPENING.	WHITE Porcelain	BRO'Z'D Gold or Copper.	PLATED. Brass, Copper or Br'ze.	PLATED. Nickel	CROWN WALL BORDER. Bro'z'd	CROWN WALL BORDER. Nickel-plated.	CROWN WALL BORDER. Brass plated.
7×10	2.90	1.55	3.00	1.95	1.15	1.50	2.25
8×12	3.20	1.90	3.45	2.25	1.40	1.60	2.40
8×14	4.00	2.50	4.00	2.60			
9×12	3.60	2.25	3.80	2.45	1.45	1.70	2.50
10×14	4.65	2.75	4.55	2.95	1.75	2.00	2.95
11×16	6.70	3.95	6.25	4.40	2.30	2.65	3.55
12×18	7.20	4.55	6.60	5.00	2.50	2.95	3.90
16×22	13.35	7.80	13.35	8.75			
High 11×13	5.25	3.00	5.25	3.60			
Wide 13×15	6.50	4.30	6.50	5.00			
Wide 16×17	10.60	6.45	10.60	7.25			

CIRCULAR TOP CONVEX REGISTERS. CROWN DESIGN.

SIZE OF OPENING.	JAPANNED Black or White.	BRONZED. Gold or Copper.	PLATED. Brass, Copper or Bronze.	PLATED. Nickel.
8×12	1.70	2.35	4.30	2.85
9×12	1.90	2.65	4.75	3.05
10×14	2.60	3.50	5.70	3.70

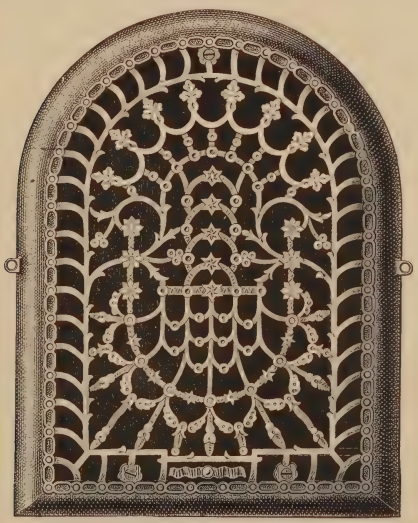
ADJUSTABLE SUMMER PIECE BORDERS.

SQUARE AND CIRCULAR TOP.

SIZE OF REGISTER.	Height.	Adjustable.	Each.
7×10	27¾ in.	From 15¼ in. to 19 in.	3.35
8×12	27¾ "	" 15¼ " 18⅞ "	3.35
8×14	29 "	" 16¼ " 21 "	3.35
9×12	29 "	" 16¼ " 21 "	3.35
10×14	29 "	" 16¼ " 21 "	3.35
11×16	29⅜ "	" 17 " 21 "	3.35
12×18	29⅜ "	" 17½ " 21¼ "	3.35

DAISY DESIGN, CIRCULAR TOP.

CROWN DESIGN CONVEX, CIRCULAR TOP.



FOR LIST OF SIZES IN THESE DESIGNS, SEE PAGE 2.

CROWN DESIGN WALL BORDER.

For prices, see page 30.

FLORENTINE DESIGN CIRCULAR TOP.

FOR LIST OF SIZES IN THIS DESIGN, SEE PAGE 2.

PEDESTAL REGISTER.

TUTTLE'S PATENTS.

HEIGHT, INCLUDING TOP, 32 INCHES.

A very desirable substitute for the ordinary floor register, and furnishing an appropriate stand for bronze or other ornaments for the hall or parlor.

Finished in Bronze, or as may be desired, with Marble or Bronzed Iron Top. The 16×21 and 21×21 are arranged with a door and shelf for an evaporator, for keeping moist the air of the apartment.

A very COMPLETE PLATE WARMER for the dining room. One or more sides may be closed to protect walls, at an additional cost of 75 cents each, net.

16×21, with Door.

WITH WHITE MARBLE TOP.

Size.	Exact Size at Base.	BRONZED Gold or Copper.	CHOCOL'TE Tipped with Gold.	PLATED Bronze or Brass.	Extra for Door and Shelf.
16×16	15⅛×15¼	16.00	15.00	19.00	
16×21	15½×21 5/16	19.50	18.00	23.00	1.50 net.
21×21	20¾×20¾	24.00	22.00	28.50	2.00 net.

WITH IRON TOP.

16×16	15⅛×15¼	13.00	12.00	17.50	
16×21	15½×21 5/16	16.00	14.50	21.00	1.50 net.
21×21	20¾×20¾	20.00	18.00	26.00	2.00 net.

SMOKE PIPE REGISTERS AND BORDERS.

THE PIPE PASSING THROUGH THE REGISTER.

JAPANNED.

Opening for Pipe.	Register.	Floor Border.	Ceiling Plate.
6, 7, 8 and **9** inch.	1.15	1.15	0.80

ROUND REVOLVING REGISTERS.

Size Outside	**10** in.	**12** in.	**14** in.	**16** in.
BLACK JAPANNED	0.75	1.00	1.50	2.00

THIMBLE VENTILATOR.

Opening for Pipe	**6** in.	**7** in.	**8** in.
BLACK JAPANNED	1.50	1.65	1.85

ROUND PIPE DAMPERS.

WITH IRON ROD AND THUMB PIECE.

Size	**5** in.	**6** in.	**7** in.	**8** in.	**9** in.	**10** in.	**12** in.
Damper	0.18	0.25	0.40	0.45	0.48	0.50	0.65

CAST IRON DAMPERS.

FOR HOT AIR FLUES.

SQUARE.

Size.	Damper.	With Rod, Knob and Cup, complete.
4× **6**	0.28	0.53
4× **9**	0.33	0.58
4×**12**	0.45	0.68
5× **5**	0.28	0.53
6× **6**	0.33	0.58
6× **9**	0.45	0.70
6×**12**	0.53	0.78
8× **8**	0.48	0.73
9× **9**	0.58	0.83

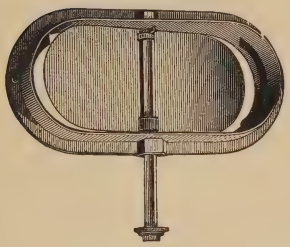
SQUARE, ONE SLAT, 2¼ × 6, 30c.; 2¼ × 9, 35c.; 3½ × 10, 40c.

6 inch rods, with plated knobs, per dozen, $1.40
6 " " bronzed knobs, " 1.00
6 " without knobs, " .40
Rods longer than 6 inches, for each additional inch, per dozen, .05
Porcelain Cups, to protect knobs, per dozen, 1.50

OVAL DAMPERS.

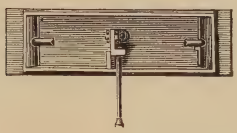
With an adjustable stem to accommodate different thicknesses of wall.			TWO SLAT. Operated in the same manner as the Square Damper.		
Size.	Damper.	With Thumb-piece and Cup.	Size.	Damper.	With Rod, Knob and Cup complete.
4× **9**	0.50	1.00	**4**× **9**	0.26	0.50
4×**12**	0.55	1.05	**4**×**10**	0.30	0.55
4×**14**	0.65	1.15	**4**×**12**	0.40	0.65

OVAL DAMPER.



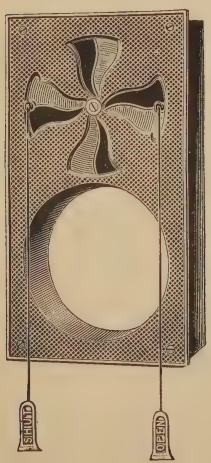
SQUARE DAMPER.

One Slat.

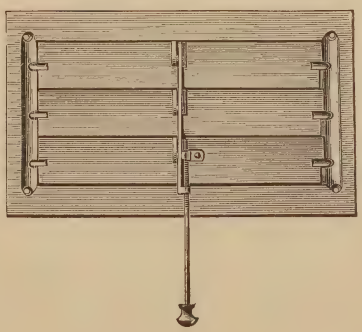


SMOKE PIPE REGISTER.

THIMBLE VENTILATOR.



SQUARE DAMPER.



VENTILATING PLATES.

Suitable to be set in the Base-board as Open Ventilators.

NEW MOUSE PROOF PATTERN.

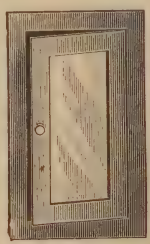
Size of Opening.	JAPANNED Black or White.	BRONZED	Size of Opening.	JAPANNED Black or White.	BRONZED
2× 6	0.15	0.25	4× 6	0.20	0.35
2× 9	0.20	0.35	4× 9	0.25	0.40
2×12	0.25	0.45	4×12	0.30	0.50
2×15	0.30	0.55	4×15	0.35	0.60
2×18	0.35	0.60	4×18	0.40	0.65

ROUND VENTILATING PLATES.

JAPANNED.

Size of Opening	Per Dozen.	Size of Opening.	Per Dozen.
3 in.	1.30	5 in.	2.35
3½ "	1.50	5½ "	2.70
4 "	1.70	6 "	3.00
4½ "	2.00		

DOOR AND FRAME.



To go in Wall for access to Flues, Electric Switches, etc.

Sizes.	Japanned.
5⅝× 7⅝	1.00 Net.
5⅝×11 1/16	1.10 Net.
5⅞× 8⅜	1.20 Net.

SCREEN FACES, PERSIAN DESIGN.

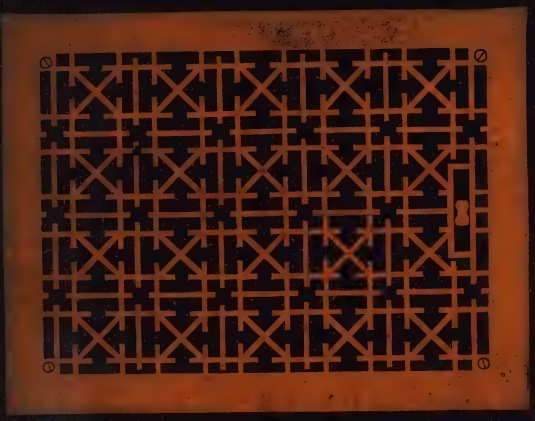
IN SECTIONS TO MAKE ANY LENGTH.

FOR COVERING STEAM PIPES.

JAPANNED.

To fit opening—Width	5¾ in.	6¼ in.	7 in.	8 in.	10 in.	11 in.
Extreme Width	7 "	8 "	9 "	10 "	12 "	13 "
Faces per foot	1.05	1.10	1.20	1.40	1.60	1.75

JAPANESE DESIGN.



COPPER FINISH.

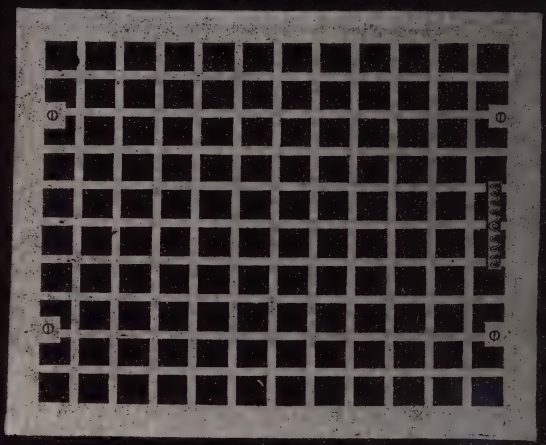
SEE PAGE 6 FOR PRICES IN THIS FINISH.

FLAMBOYANT DESIGN. CONVEX.

COPPER FINISH.

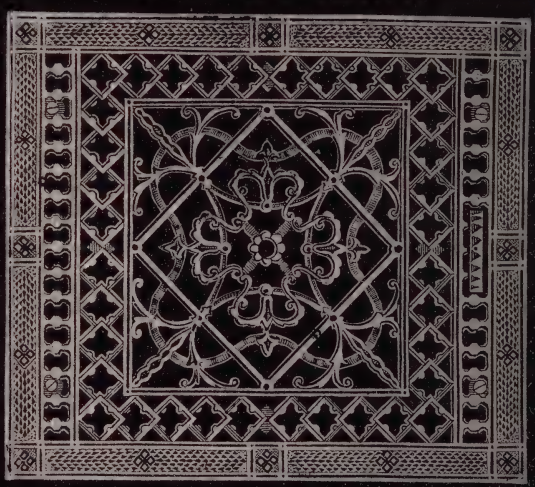
SEE PAGE 6 FOR PRICES IN THIS FINISH.

PLAIN LATTICE DESIGN.



ELECTRO NICKEL PLATED.

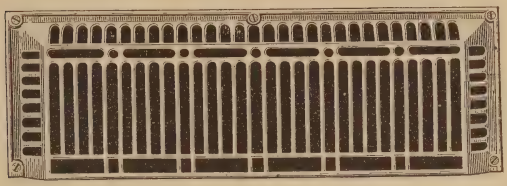
FLORENTINE DESIGN.



ELECTRO NICKEL PLATED.

SEE PAGE 10 FOR PRICES IN THIS FINISH.

CONVEX BASEBOARD VENTILATING PLATES.



Size of Opening.	Japanned Black or White.	Bronzed.
6×18	0.50 Net	0.90 Net.
6×36	1.05 Net.	1.65 Net.

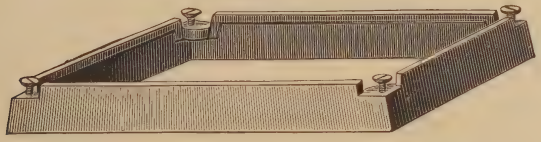
BRICK WALL VENTILATOR.

EXACT SIZE OF A BRICK.

Unfinished, 0 15 Net. | Japanned or Red, 0.20 Net.

WALL FRAME, 2 INCH DEEP.

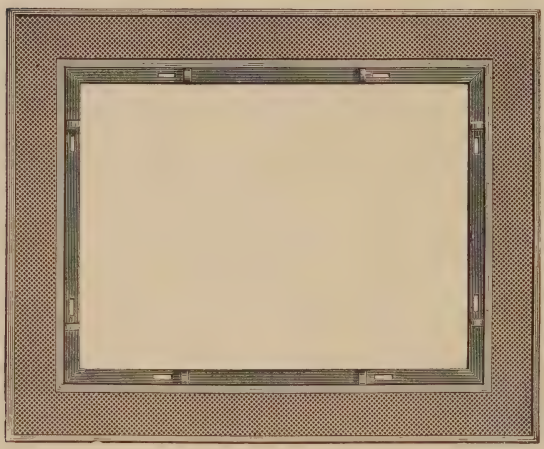
A very convenient fixture, allowing the removal of the Register without disturbing the wall.



FLORENTINE DESIGN BORDER.

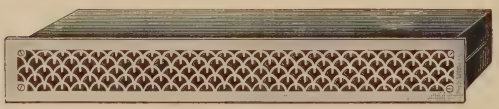
BRILLIANT DESIGN BORDER.

For sizes made **without Ribs** on back see * in Border columns, pages 4 and 5.



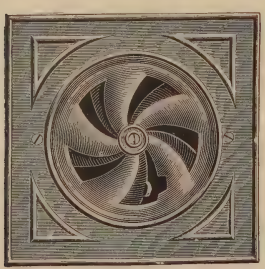
COLD AIR INLETS.

MADE ANY SIZE REQUIRED. PRICES ON APPLICATION.



STOVE PIPE THIMBLE AND VENTILATING FLUE COVER.

Opening for Pipe	**6¼** in.
BLACK JAPANNED	1.50



The Ventilator in center is hinged at the back, and swings out of the way to allow pipe to pass through.

ORNAMENTAL SCREENS.

FOR COVERING COILS OF STEAM PIPE.

It should be stated whether Screens are wanted with THREE or FOUR sides.
Prices per running foot measured around body of screen.

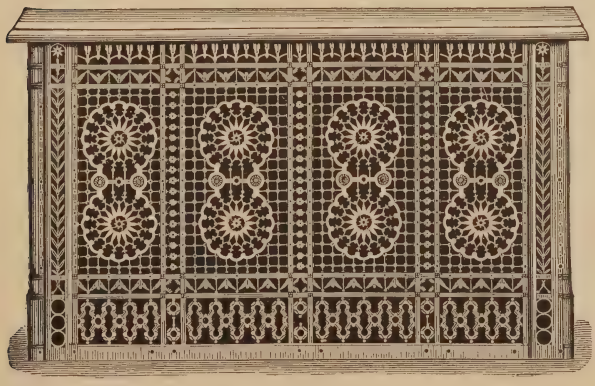
IN ORDERING GIVE THE SIZE OF COIL, AND SO STATE.

CAN BE MADE ANY LENGTH OR WIDTH.

DESCRIPTION.		***BRONZED :*** Gold, Copper or Bronze Finish.	***WHITE OR CHOC'L'T*** with Figures Bronzed in Relief.	***CHOCO-LATE*** Tipped with Bronze.	***IRON*** Unfinished	***PLATED*** Brass, Nickel or Bronze.
Design.	Height.					
No. 1	31½	4.10	3.65	3.50	2.75	
" 2	32	3.80	3.25	3.10	2.50	
" 3	32	4.10	3.65	3.50	2.75	
" 3	34	4.60	4.10	3.95	3.20	
" 3	36	5.00	4.50	4.35	3.55	
" 3	38	5.40	4.90	4.75	3.90	
" 3	40	5.80	5.30	5.15	4.25	
" 5	16	2.65			1.80	3.40
" 5	18	2.85			1.90	3.80
" 5	20	3.00			2.00	4.20
" 5	25	3.25			2.20	5.00
" 5	26	3.35			2.25	5.50
" 5	28	3.50			2.30	5.75
" 5	30	3.80			2.50	6.25
" 5	32	4.10			2.75	6.50
" 5	33	4.35			3.00	6.75
" 5	34	4.60			3.20	7.00
" 5	35	4.80			3.40	7.25
" 5	36	5.00			3.55	7.50
" 5	37	5.40			3.95	7.75
" 5	39	5.80			4.25	8.25
" 5	41	6.00			4.50	8.75
" 5	42	6.50			5.00	9.00

WHITE MARBLE TOPS, 2.75 PER FOOT, SURFACE MEASURE.

DESIGN No. 5.



DESIGN PATENTED.

SOAPSTONE AND SLATE BORDERS.

For Register.	Slate or Soap Stone.	For Register.	Slate or Soap Stone.	For Register.	Slate or Soap Stone.
6× 8	0.90	12×14	2.30	27×38	13.00
6× 9	0.95	12×15	2.45	30×30	15.00
6×10	1.00	12×16	2.65	6 in.	1.50
6×14	1.30	12×17	2.80	7 "	1.60
6×16	1.50	12×18	3.00	8 "	1.70
6×18	1.70	12×19	3.20	9 "	1.80
7× 7	1.00	12×20	3.65	10 "	2.00
7×10	1.10	12×24	4.25	12 "	2.40
8× 8	1.05	14×14	3.30	14 "	3.00
8×10	1.15	14×16	3.70	16 "	4.00
8×12	1.30	14×18	4.00	18 "	5.00
8×15	1.75	14×20	4.50	20 "	6.50
8×18	2.00	14×22	4.70	24 "	10.00
9× 9	1.25	15×25	7.00		
9×12	1.65	16×16	5.00	Round Grating Borders 2 in. thick.	
9×13	1.70	16×20	6.25		
9×14	1.75	16×24	8.12	18 in.	6.50
10×10	1.60	18×24	8.65	21 "	7.50
10×12	1.70	20×20	8.12	24 "	10.50
10×14	1.85	20×24	9.00	28 "	13.50
10×16	2.40	20×26	9.37	30 "	17.75
10×18	2.80	21×29	10.50	36 "	28.00
10×20	3.00	24×24	11.00		
12×12	2.00	27×27	11.50		

☞ Shipped at buyer's risk only.

DIMENSIONS OF REGISTERS AND BORDERS.

Size of Body.	REGISTER. Extreme Dimensions.	REGISTER. Depth Open	BORDER. With Ribs. Floor Opening.	BORDER. Tin Box Size.
4× 6	5 5/8 × 7 5/8	1 5/8		
4× 8	5 1/4 × 9 1/4	2 1/4		
4×10	5 1/4 × 11 1/4	2 1/4		
4×13	5 1/4 × 14 1/4	2 1/4		
4×15	5 1/4 × 16 1/16	2 1/4		
4×18	5 1/4 × 19 1/4	2 1/4		
5× 8	6 3/8 × 9 3/8	2	8 1/16 × 11 1/8	5 5/16 × 8 5/16
5×11	6 3/8 × 12 3/8	2	8 1/16 × 14 1/8	5 5/16 × 11
5×13	6 3/8 × 14 3/8	2	8 1/16 × 16 1/8	5 5/16 × 13
5×16	6 3/8 × 17 3/8	2	8 1/16 × 19 1/8	5 5/16 × 16
6× 6	7 11/16 × 7 11/16	2 3/8	9 1/8 × 9 1/8	6 9/16 × 6 9/16
6× 8	7 11/16 × 9 11/16	2 3/8	9 1/8 × 11 1/8	6 9/16 × 8 5/16
6× 9	7 11/16 × 10 11/16	2 3/8	9 1/8 × 12 1/16	6 9/16 × 9 5/16
6×10	7 11/16 × 11 11/16	2 3/8	9 1/8 × 13 1/16	6 9/16 × 10 5/16
6×14	7 11/16 × 15 11/16	2 3/8	9 1/8 × 17 1/16	6 9/16 × 14 5/16
6×16	7 11/16 × 17 11/16	2 3/8	9 1/8 × 19 1/16	6 9/16 × 16 5/16
6×18	7 11/16 × 19 11/16	2 3/8	9 1/8 × 21 1/16	6 9/16 × 18 5/16
6×24	7 11/16 × 25 11/16	2 3/8	9 1/8 × 27 1/16	6 9/16 × 24 5/16
7× 7	8 11/16 × 8 11/16	2 3/4	10 1/16 × 10 1/16	7 9/16 × 7 9/16
7×10	8 11/16 × 11 11/16	2 3/4	10 1/16 × 13 1/16	7 9/16 × 10 5/16
8× 8	9 3/4 × 9 3/4	3	11 7/8 × 11 7/8	8 5/8 × 8 5/8
8×10	9 3/4 × 11 3/4	3	11 7/8 × 13 7/8	8 5/8 × 10 5/8
8×12	9 3/4 × 13 3/4	3	11 7/8 × 15 7/8	8 5/8 × 12 5/8
8×15	9 3/4 × 16 11/16	3	11 7/8 × 18 7/8	8 5/8 × 15 5/8
8×18	9 3/4 × 19 3/4	3	11 7/8 × 21 7/8	8 5/8 × 18 5/8

DIMENSIONS OF REGISTERS AND BORDERS.

CONTINUED.

SIZE OF BODY.	REGISTER.		BORDER.	
	Extreme Dimensions	Depth Open	With Ribs. Floor Opening.	Tin Box Size.
8×21	9¾×22¾	3	11⅞×24⅞	8⅝×21⅝
8×24	9¾×25¾	3	11⅞×27⅞	8⅝×24⅝
9× 9	10⅞×10⅞	3¼	13 1/16×13 1/16	9 1/16× 9 1/16
9×12	10⅞×13⅞	3¼	13 1/16×16 1/16	9 1/16×12 1/16
9×13	10⅞×14⅞	3¼	13 1/16×17 1/16	9 1/16×13 1/16
9×14	10⅞×15⅞	3¼	13 1/16×18 1/16	9 1/16×14 1/16
9×16	10⅞×17 13/16	3¼	13 1/16×20 1/16	9 1/16×16 1/16
9×18	10⅞×19⅞	3¼	13 1/16×22 1/16	9 1/16×18 1/16
9×20	10⅞×21⅞	3¼	13 1/16×24 1/16	9 1/16×20 1/16
10×10	11 1/16×11 1/16	3⅜	14 5/16×14 5/16	10 1/16×10 1/16
10×12	11 1/16×13 1/16	3⅜	14 5/16×16 1/16	10 1/16×12 1/16
10×14	11 1/16×15 1/16	3⅜	14 5/16×18 1/16	10 1/16×14 1/16
10×16	11 1/16×17⅞	3⅜	14 5/16×20 1/16	10 1/16×16 1/16
10×18	11 1/16×19⅞	3⅜	14 5/16×22 1/16	10 1/16×18 1/16
10×20	11 1/16×21⅞	3⅜	14 5/16×24 1/16	10 1/16×20 1/16
12×12	14 1/16×14 1/16	4	16 7/16×16 7/16	12 1/16×12 1/16
12×14	14 1/16×16 1/16	4	16 7/16×18 7/16	12 1/16×14 1/16
12×15	13⅞×16 1/16	4	16 7/16×19 7/16	12 1/16×15 1/16
12×16	14 1/16×18	4	16 7/16×20 7/16	12 1/16×16 1/16
12×17	14 1/16×19	4	16 7/16×21 7/16	12 1/16×17 1/16
12×18	14 1/16×20	4	16 7/16×22 7/16	12 1/16×18 1/16
12×19	14 1/16×21	4	16 7/16×23 7/16	12 1/16×19 1/16
12×20	14 1/16×22	4	16 7/16×24 7/16	12 1/16×20 1/16
12×24	14 1/16×26	4	16 7/16×28 7/16	12 1/16×24 1/16
12×30	14 1/16×32	4	16 7/16×34 7/16	12 1/16×30 1/16
12×36	14 1/16×38	4	16 7/16×40 7/16	12 1/16×36 1/16
14×14	16 5/16×16 5/16	4	18 1/16×18 1/16	14⅞×14⅞
14×16	16 5/16×18 5/16	4	18 1/16×20 1/16	14⅞×16⅞
14×18	16 5/16×20 5/16	4	18 1/16×22 1/16	14⅞×18⅞
14×20	16 5/16×22 5/16	4	18 1/16×24 1/16	14⅞×20⅞
14×22	16 5/16×24¼	4	18 1/16×26 1/16	14⅞×22⅞
15×25	17½×27½	4½	19 1/16×29 1/16	16⅛×26¼
16×16	18 5/16×18⅞	4¼	20⅞×20⅞	16⅞×16⅞
16×18	18 5/16×20 5/16	4¼	20⅞×22⅞	16⅞×18⅞
16×20	18 5/16×22 5/16	4¼	20⅞×24⅞	16⅞×20⅞
16×22	18 5/16×24 5/16	4¼	20⅞×26⅞	16⅞×22⅞
16×24	18 5/16×26 5/16	4¼	20⅞×28⅞	16⅞×25¼
16×28	18 5/16×30 5/16	4¼	20⅞×32⅞	16⅞×28⅞
16×32	18 5/16×34 5/16	4¼	20⅞×36⅞	16⅞×32⅞
18×18	20 5/16×20 5/16	4¾	22 15/16×22 15/16	18⅞×18⅞
18×21	20 5/16×23 5/16	4¾	22 15/16×25 15/16	18⅞×21⅞
18×24	20 5/16×26 5/16	4¾	22 15/16×28 15/16	18⅞×24⅞
18×27	20 5/16×29 5/16	4¾	22 15/16×31 15/16	18⅞×27⅞
18×30	20 5/16×32¼	4¾	22 15/16×34 15/16	18⅞×30⅞
18×36	20 5/16×38¼	4¾	22 15/16×40 15/16	18⅞×36⅞
20×20	22⅜×22⅜	5½	25¼×25¼	20 13/16×20 13/16
20×24	22⅜×26⅜	5½	25¼×29⅛	20 13/16×24 13/16
20×26	22 7/16×28½	5½	25¼×31⅛	20 13/16×26 13/16
21×29	23⅜×31⅜	5½	26¼×34⅛	21 13/16×29 13/16
24×24	26 7/16×26 7/16	5⅜	29½×29½	24 13/16×24 13/16
24×27	26 7/16×29⅜	5⅜	29½×32½	24 13/16×27 13/16
24×30	26 7/16×32⅜	5⅜	29½×35½	24 13/16×30 13/16
24×32	26 7/16×34⅜	5⅜	29½×37½	24 13/16×32 13/16
24×36	26 7/16×38⅜	5⅜	29½×41½	24 13/16×36 13/16
24×45	26 7/16×47⅜	5⅜	29½×50½	24 13/16×45 13/16
27×27	29 7/16×29 7/16	6	32½×32½	27 13/16×27 13/16
27×38	29 7/16×40⅜	6½	32¼×43½	27 13/16×38 13/16
30×30	32⅜×32⅜	7¼	35½×35½	30 13/16×30 13/16
30×36	32⅜×38⅜	7¼	35½×41½	30 13/16×36 13/16
30×42	32⅜×44⅜	7¼	35½×47½	30 13/16×42 13/16

DIMENSIONS OF REGISTERS AND BORDERS.

CONTINUED.

ROUND SLIDE CENTRE.

SIZE OF BODY	REGISTER.		BORDER.	
	Extreme Dimensions.	Depth Open.	With Ribs Floor Opening.	Tin Box Size.
6 in	7¼ in	2½	9½ in.	6 9/16
7 "	8⅜ "	3	10⅞ "	7 9/16
8 "	9⅜ "	3⅜	12⅜ "	8 9/16
9 "	10⅝ "	3⅜	13⅜ "	9 9/16
10 "	11⅝ "	3¾	14½ "	10⅜
12 "	13¾ "	3¾	16¾ "	12⅜
14 "	15⅞ "	4½	18⅞ "	14⅝
16 "	17⅞ "	4½	21¼ "	16½
18 "	19⅞ "	5	23⅝ "	18½
20 "	21⅞ "	5⅝	24⅝ "	20¼
24 "	26½ "	6½	32 "	25¾
30 "	32 "	6½	37¼ "	30

LOCK OR ASYLUM AND CONVEX REGISTERS.

Dimensions same as Vertical Wheel.

WE GIVE THE FOLLOWING TABLE OF ESTIMATED

CAPACITY OF PIPES AND REGISTERS.

ROUND PIPES.

Diameter of Pipe.	Area in Sq. Inches.	Diameter of Pipe.	Area in Sq. Inches.	Diameter of Pipe.	Area in Sq. Inches
7 in	38	12 in	113	22 in	380
8 "	50	14 "	154	24 "	452
9 "	63	16 "	201	26 "	531
10 "	78	18 "	254	28 "	616
11 "	95	20 "	314	30 "	707

REGISTERS.

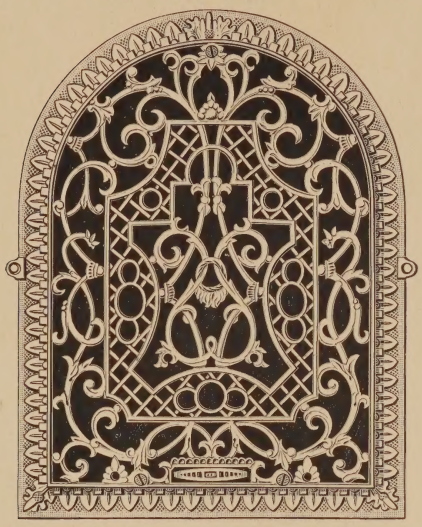
Size of Opening	Capacity in Sq. Inches.	Size of Opening.	Capacity in Sq. Inches.	Size of Opening.	Capacity in Sq. Inches.
6×10	40	10×14	93	20×20	267
8×10	53	10×16	107	20×24	320
8×12	64	12×15	120	20×26	347
8×15	80	12×19	152	21×29	406
9×12	72	14×22	205	27×27	486
9×14	84	15×25	250	27×38	684
10×12	80	16×24	256	30×30	600

ROUND REGISTERS.

Size of Opening.	Capacity in Sq. Inches.	Size of Opening.	Capacity in Sq. Inches.	Size of Opening.	Capacity in Sq. Inches.
7 in	26	12 in	75	20 in	209
8 "	33	14 "	103	24 "	301
9 "	42	16 "	134	30 "	471
10 "	52	18 "	169	36 "	679

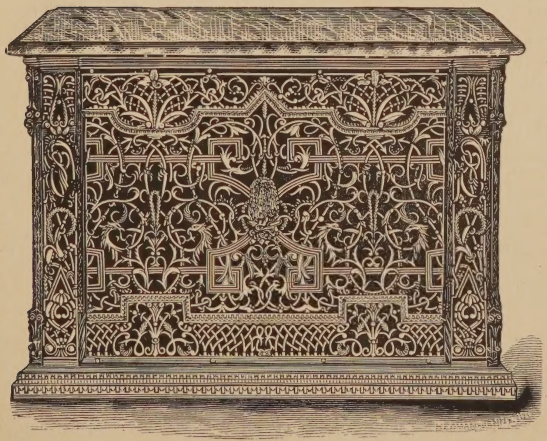
CARVED DESIGN CIRCULAR TOP.

IN ALL SIZES.



For prices, see page 30.

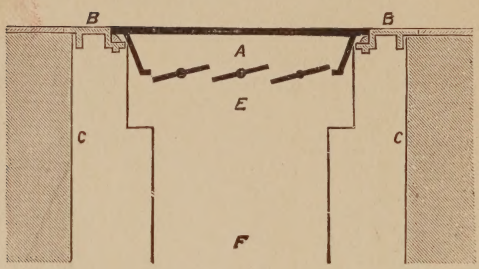
No. 3 DESIGN SCREEN.



For prices, see page 41.

SETTING FLOOR REGISTERS

IN BORDER FRAME.



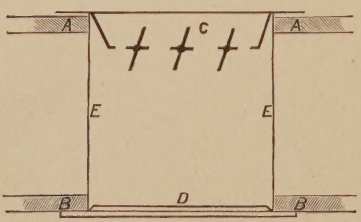
A—The Register; *B*—The Border Frame; *D*—Thickness of Floor and Timbers; *F*—Tin Hot-air Pipe; *E*—Tin Register Box; *C*—A complete lining of Tin for the Opening.

By this arrangement a space is left around the Hot-air Pipe and Register allowing a circulation of air on both sides of the Border Frame.

A perforated tin collar will make a good finish underneath.

CONSTRUCTING AIR PASSAGE

BETWEEN LOWER AND UPPER ROOMS.



A—Floor; *B*—Ceiling below; *C*—Register in Floor; *D*—Register *Face* on ceiling below; *E*—Tin or Wood connecting the two.

In this way an upper room can be warmed by surplus air from the room under it, and the supply be regulated by the Register above. Or, if it be more convenient, a Register to be operated by cords may be placed below and a Register Face on the Floor above.

Any of the various sizes of Floor Registers will answer the purpose.